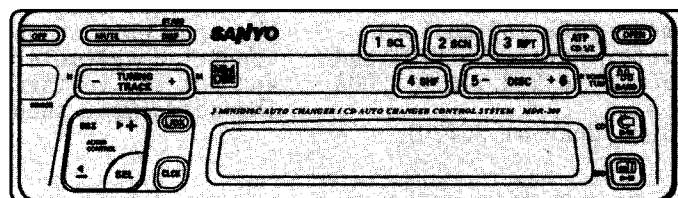


3-Mini Disc Auto Changer  
PLL Frequency Synthesizer  
AM/FM-Stereo Receiver  
CD Auto Changer Control System



## Specifications

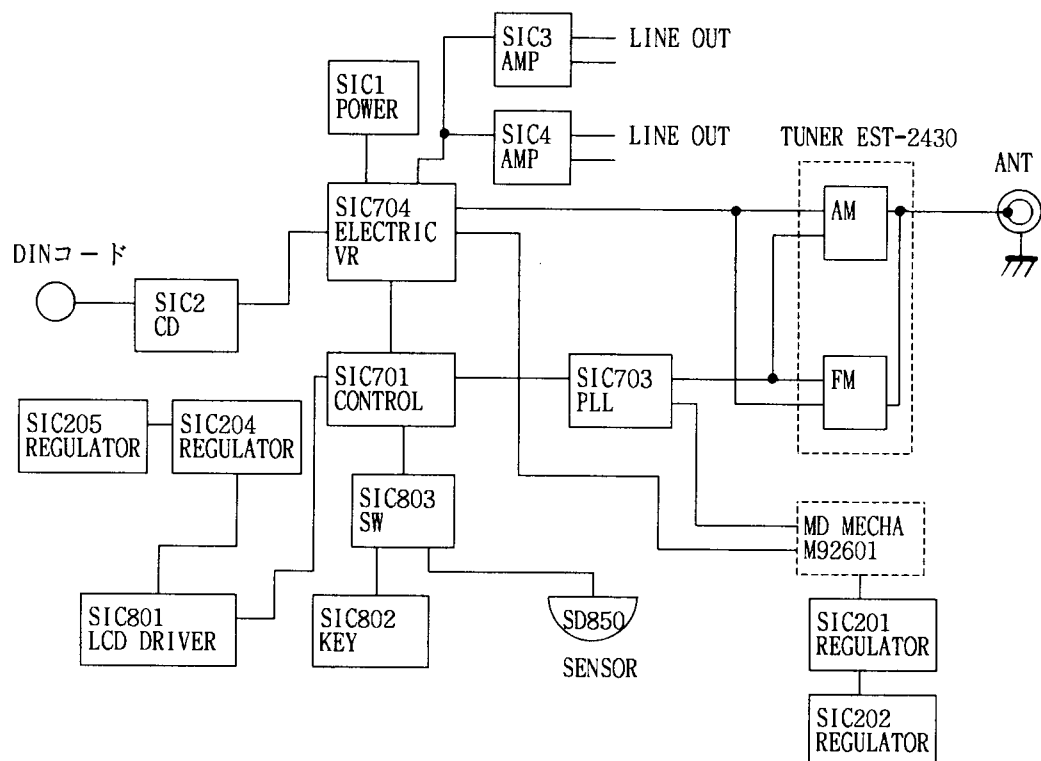
(MD Section)	
Signal to Noise Ratio	90dB
Frequency Response	20~20,000Hz
Wow & Flutter (WRMS)	Below measurable limits
(Tuner Section)	
Circuit Type	Quartz PLL Digital Synthesizer
Frequency Range	FM 87.5~107.9MHz
	AM 530~1710kHz
Usable Sensitivity	FM 12dBf
	AM 30 $\mu$ V
Signal to Noise Ratio	FM 60dB
	AM 50dB
Stereo Separation	35dB
Distortion	FM 0.3%
	AM 0.5%

Operating Voltage	14.4V(11~16V allowable)
	DC Negative Ground
Maximum Output Power	20W×4
Continuous Power Output(RMS) 1% THD	9.5W×4
Maximum Output Consumption	8A
Tone Action	Bass ±10dB(100Hz)
	Treble ±10dB(10kHz)
Clock Tolerance(per month)	±60 seconds (Max.)
Dimensions(W×H×D)	178×50×157mm
	(7"×2"×6.2")
Weight	1.8kg(3.9lb)

Dimensions (W×H×D)	54×86×5mm (2.1"×3.4"×0.2")
Weight	40g

REFERENCE No. SM590384

## BLOCK DIAGRAM



## ALIGNMENT PROCEDURES

### Clock

When the unit is ON mode (OFF indication), Connect a Frequency meter between STP701 and GND and set the frequency to  $262.144 \pm 0.003$  kHz.

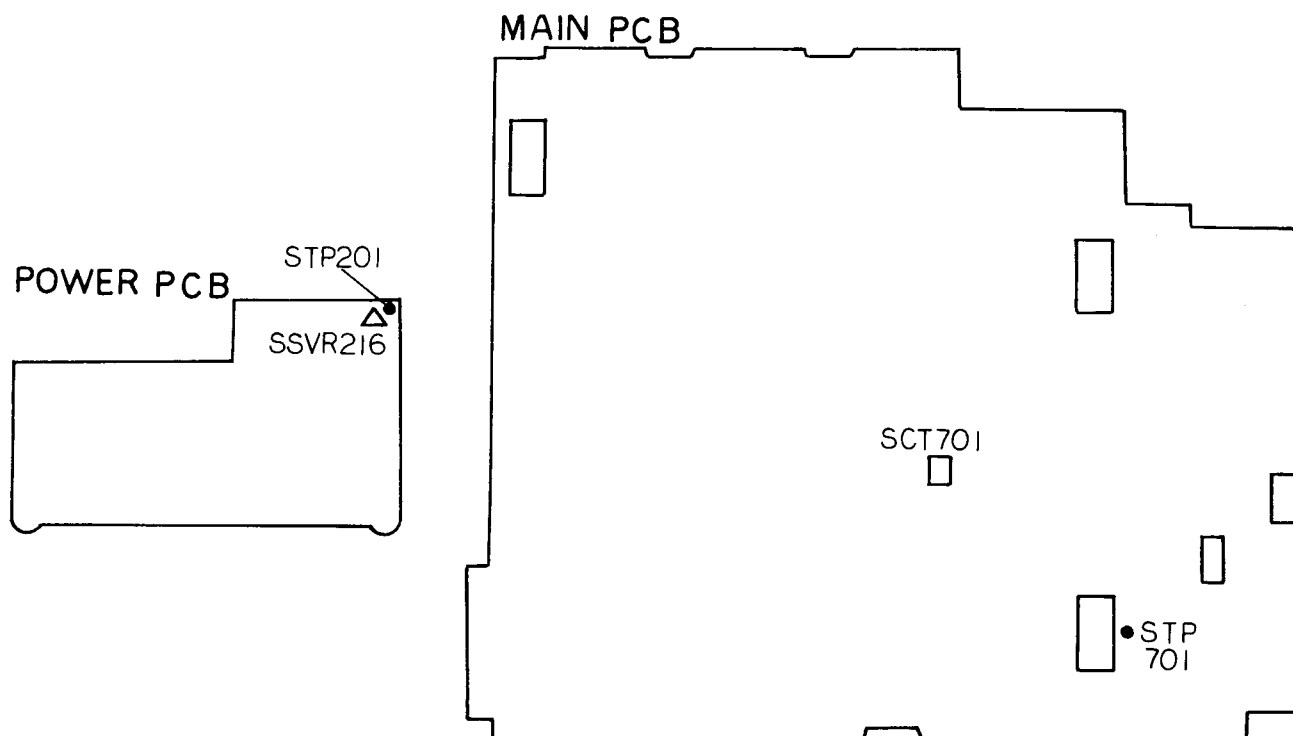
The adjustment should be done at SCT701.

### Voltage(for LCD)

When the unit is on mode (OFF indication), connect a voltmeter between STP201 and GND and set the voltage to  $-4.2 \pm 0.2$  V.

The adjustment should be done at SSVR216.

## MAIN PARTS IDENTIFICATION ILLUSTRATION



## ALIGNMENT PROCEDURES

### MD MECHANISM ADJUSTMENT

#### 1. Cautions for Adjustment

- ☐ When adjusting supply power with the set mounted, or with jigu connected.
- ☐ Practice adjustment in test mode.
- ☐ During test mode condition, laser from pickup is kept output. Take care not to look at pickup directly from above.
- ☐ Cancel test mode after finishing adjustment.

#### 2. Measuring Instruments and Tools Needed

- ☐ DC power supply 12V(11-16V) 3A or more
- ☐ MILLIVOLT AMMETER (MODEL 115A (KIKUSUI-made) or the equivalent)
- ☐ Jitter meter (LJM-1851(LEADER-mode) or the equivalent)
- ☐ Low frequency oscillator (MODEL 418B (KIKUSUI-made) or the equivalent)
- ☐ AC voltmeter
- ☐ Oscilloscope
- ☐ Partially fixed driver for resistance adjustment

#### 3. Discs Used

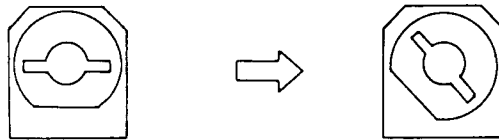
- ☐ MD test disc exclusively for playback TGYS1 (SONY-made)
- ☐ MD test disc for both recording and playback (AXIA-mode Recorded by Quality Assurance Department)

#### 4. Adjustment Items

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| <input type="radio"/> FOK Offset      | <input type="radio"/> Laser Power   |
| <input type="radio"/> Focus Offset    | <input type="radio"/> EF Balance    |
| <input type="radio"/> Focus Bias      | <input type="radio"/> Focus Gain    |
| <input type="radio"/> Tracking Offset | <input type="radio"/> Tracking Gain |

#### 5. Adjustment Procedures

- 5-1. Before supplying power, turn SVR608 and SVR609 in the 45° clockwise direction off the center.



- 5-2. Connect test key to IC801 59 pin (K3), 61 pin (K1), and 62 pin (K0).

- 5-3. Change to test mode after supplying power.

(There are two ways to change to test mode as follows:)

- After supplying power, connect IC801 65 pin (XMICON) to VDD, and switch on RST key.
- Supply power with IC801 65 pin (XMICON) connected to VDD.

- 5-4. Insert a disc for recording and playback into DISC1, and a disc exclusively for playback into DISC2.

#### 5-5. FOK Offset Adjustment

- (1) Practice this adjustment with a disc in not-chucked condition.
- (2) Connect MILLIVOLT AMMETER to TP.ABCD (IC601 33 pin) VC, and adjust within 15mV range.

#### 5-6. Focus Offset Adjustment

- (1) Practice this adjustment with a disc in not-chucked condition.
- (2) Connect TP.FBIAS (IC601 23pin) to VC (IC601 2 pin).
- (3) Connect MILLIVOLT AMMETER to TP.FE (or IC601 22 pin) VC, and adjust within 15mV range.
- (4) Adjust SVR604 so that MILLIVOLT AMMETER reading is 0 (±5)mV.
- (5) Cancel connection of TP.FBIAS (IC601 23 pin) to VC (IC601 2 pin).

#### 5-7. Focus Bias Adjustment

(Be sure to practice this adjustment after finishing 5-6 Focus Offset Adjustment.)

- (1) Practice this adjustment with a disc in not-chucked condition.
- (2) Connect MILLIVOLT AMMETER to TP.FE (or IC601 22 pin) VC, and adjust within 500mV range.
- (3) Adjust SVR603 so that MILLIVOLT AMMETER reading is 350(±20)mV.

#### 5-8. Tracking Off Adjustment

- (1) Practice this adjustment with a disc in not-chucked condition.
- (2) Connect MILLIVOLT AMMETER to TP.TE (IC601 24 pin) through resistance division, and adjust within 50mV range.
- (3) Connect TP.P/G (IC801 83 pin) to GND.
- (4) Adjust SVR602 so that MILLIVOLT AMMETER reading is -20(±2)mV.
- (5) Cancel connection of TP.P/G (IC801 83 pin) to GND.
- (6) Confirm that MILLIVOLT AMMETER reading is +35(±10)mV.

#### 5-9. Laser Power Adjustment

- (1) Retune SVR608 and SVR609, which have been turned clockwise by 5-1, near the center again.

- (2) Connect jitter meter to TP.RF (IC601 44 pin) through buffer.

Set jitter meter to LEVEL : BIT - 11T, RANGE - 1.5Vp-p.

Otherwise connect oscilloscope through 1: 10 probe.

Set oscilloscope to 50mV/DIV range, and 0.5μ SEC/DIV.

- (3) Move pickup near the center by operating TSW4 and TSW5.

- (4) Adjustment by a Disc for Both Recording and Playback

- ① Bring TP.P/G (IC801 83 pin) to GND in connected condition.

- ② After switching ON TSW13, and bringing chucked condition, operate in the order of TSW9 : ON → TSW3 : ON → TSW2 : ON, and bring the disc in playing condition.

- ③ By using jitter meter or oscilloscope, adjust SVR608 so that RF level is 1.2(±0.1)V<sub>p-p</sub>.

- ④ After switching ON TSW1, and stopping the disc, switch ON TSW16, and release the disc.

- (5) Adjustment by a Disc Exclusively for Playback

- ① Bring connection of TP.P/G (IC801 83 pin) to GND in cancelled condition.

- ② After switching ON TSW14, and bringing a disc in chucked condition, operate in the order of TSW9 : ON → TSW3 : ON → TSW2 : ON, and bring the disc in playing condition.

- ③ By using jitter meter or oscilloscope, adjust SVR609 so that RF level is 1.1(±0.1)V<sub>p-p</sub>.

- ④ After switching ON TSW1, and stopping the disc, switch ON TSW16, and release the disc.

#### 5-10. EF Balance Adjustment

(Be sure to practice this adjustment after finishing 5-8 Tracking Offset Adjustment.)

- (1) Connect MILLIVOLT AMMETER to TP.TE (IC601 24 pin) VC through resistance division, and adjust within 15mV.

- (2) Move pickup near the center by operating TSW4 and TSW5.

- (3) Adjustment by a Disc for Both Recording and Playback

- ① Bring TP.P/G (IC801 83 pin) to GND in connected condition.

- ② After switching ON TSW13, and bringing a disc in chucked condition, operate in the order of TSW9 : ON → TSW3 : ON → TSW2 : ON, and bring the disc in playing condition with tracking OFF.

- ③ Adjust SVR606 so that MILLIVOLT AMMETER reading is 0(±2)mV.

- ④ After switching ON TSW1, and stopping the disc, switch ON TSW16, and release the disc.

- (4) Confirmation by a Disc Exclusively for playback

- ① Bring connection of TP.P/G (IC801 83 pin) to GND in cancelled condition.

- ② After switching ON TSW14, and bringing a disc in chucked condition, operate in the order of TSW9 : ON → TSW2 : ON, and bring the disc in playing condition with tracking OFF.

- ③ Confirm that MILLIVOLT AMMETER reading is 0(±5)mV.

- ④ After switching ON TSW1, and stopping the disc, switch ON TSW16, and release the disc.

- (5) In Case the Confirmation Result of (4) ③ is NG

Practice repeatedly Adjustment of 5-8 and 5-10 until the performance of the discs both for recording and playback, and exclusively for playback achieves specified numerical value [0(±5)mV].

When the specified numerical value [0(±5)mV] is achieved, specified numerical value of 5-7 Adjustment need not be achieved.

#### 5-11 Focus Gain Adjustment

- (1) Connect low-frequency oscillator to TP.FE02 (IC661 16 pin) VC through resistance of 56kΩ.

Adjust the output of the oscillator to 1.5kHz and 500mV<sub>rms</sub>.

- (2) Connect AC voltmeter to TP.FE01 (IC631 15 pin), and adjust within 1V range.

- (3) Bring TP.P/G (IC801 83 pin) to GND in connected condition.

- (4) After switching ON TSW13, and bringing in chucked condition, operate in the order of TSW9 : ON → TSW3 : ON → TSW2 : ON, and bring the disc in playing condition.

- (5) Adjust SVR607 so that AC voltmeter reading is 650(±40)mV.

- (6) After switching ON TSW1, and stopping the disc, switch ON TSW16 and release the disc.

#### 5-12 Tracking Gain Adjustment

- (1) Connect low-frequency oscillator to TP.TE02 (IC661 15 pin) VC through resistance of 56kΩ.

Adjust the output of low-frequency oscillator to 1.5kHz and 500mV<sub>rms</sub>.

- (2) Connect AC voltmeter to TP.TE01 (IC631 11 pin), and adjust within 1V range.

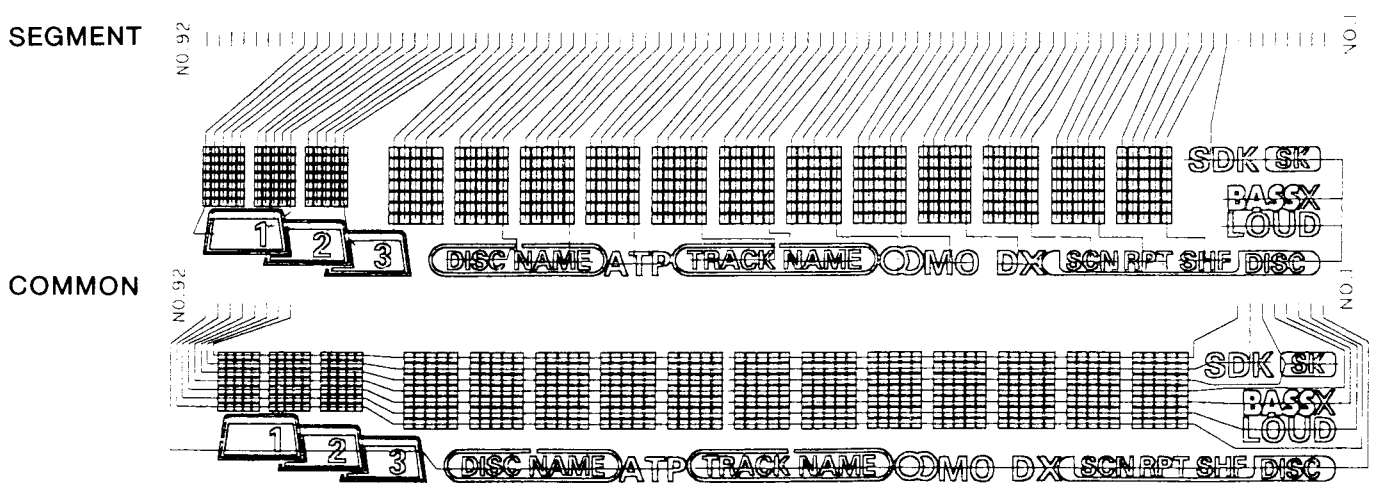
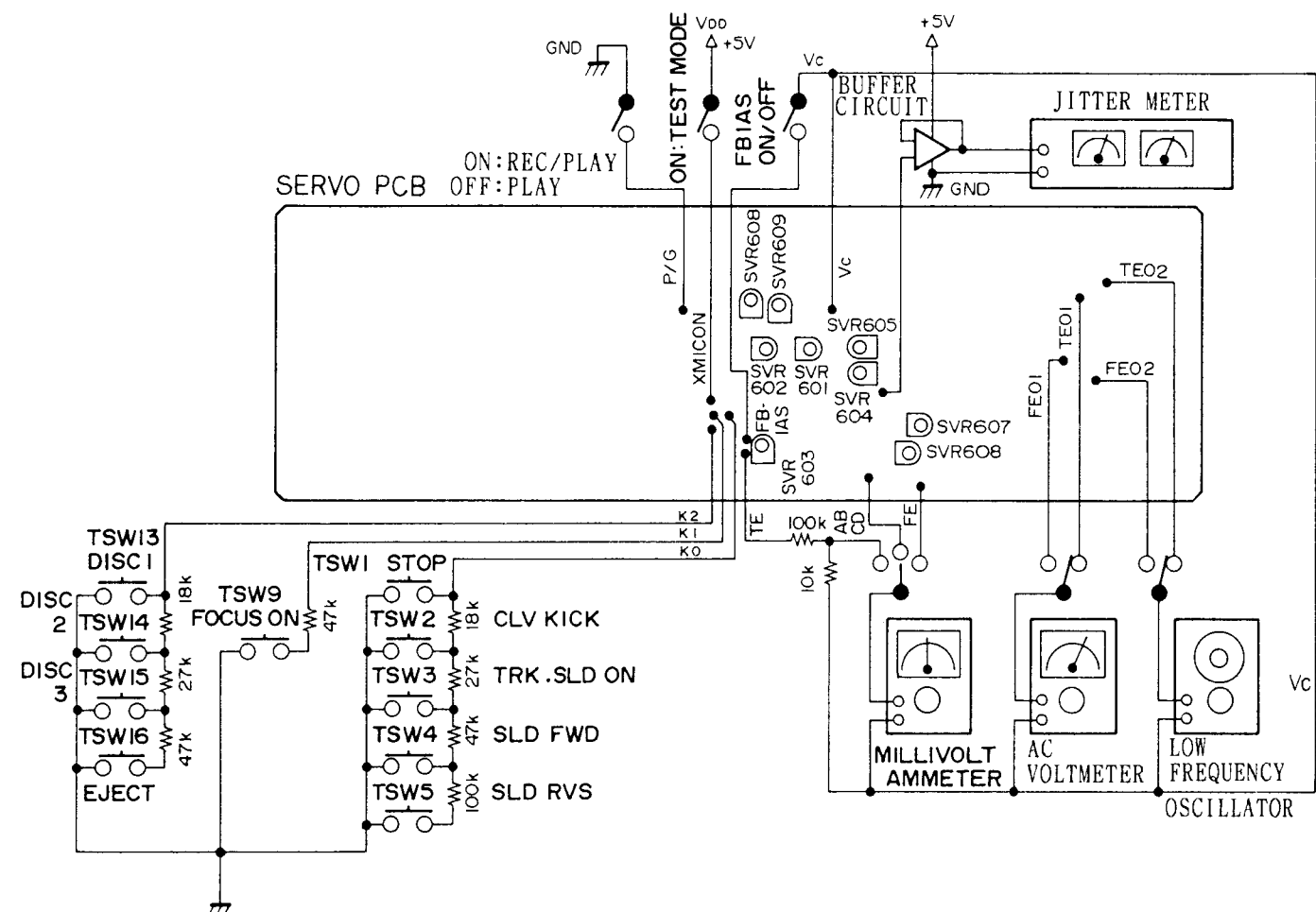
- (3) Bring TP.P/G (IC801 83 pin) to GND in connected condition.

- (4) After switching ON TSW13, and bringing the disc in chucked condition, operate in the order of TSW9 : ON → TSW3 : ON → TSW2 : ON, and bring the disc in playing condition.

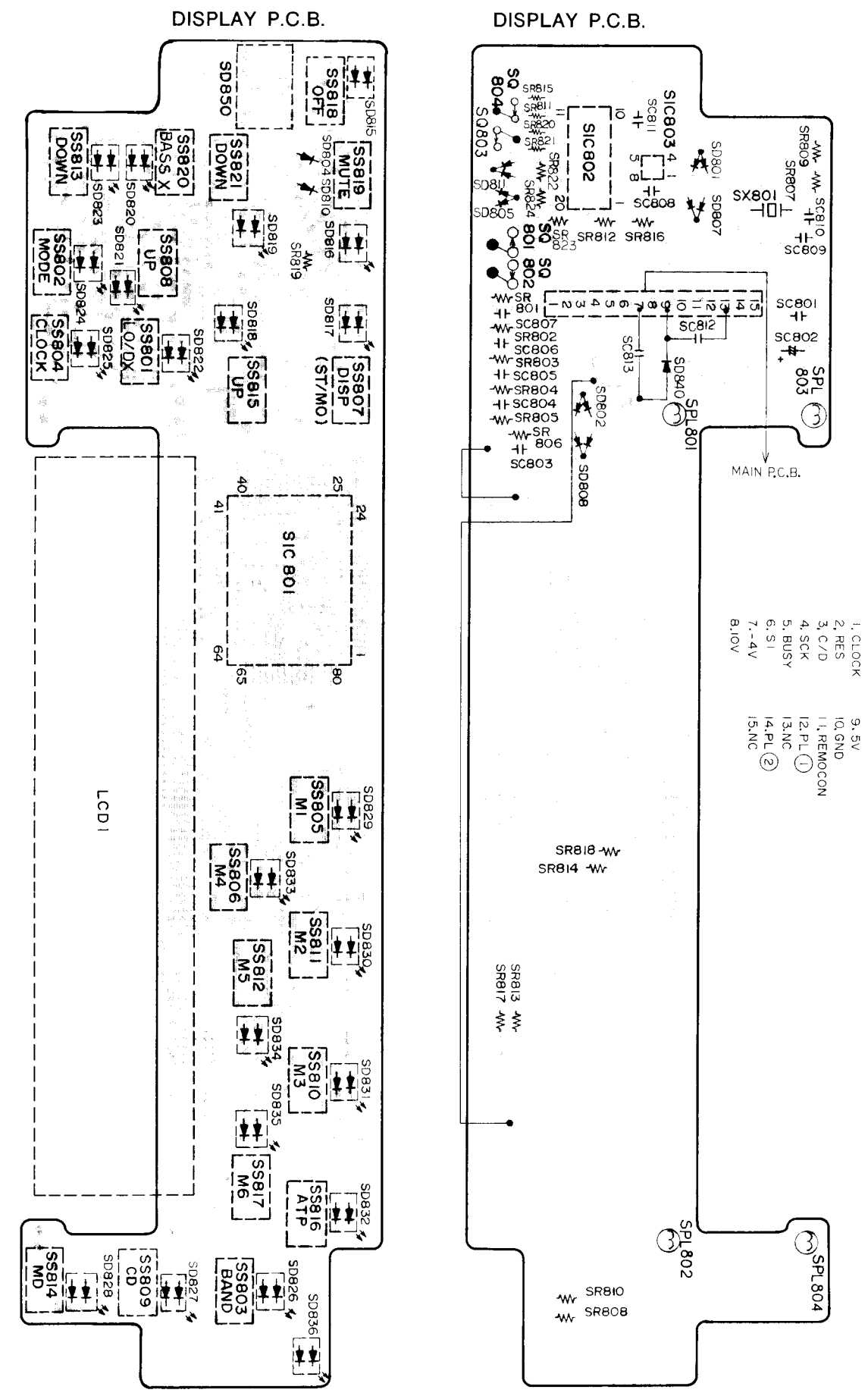
- (5) Adjust SVR601 so that AC voltmeter reading is 320(±40)mV.

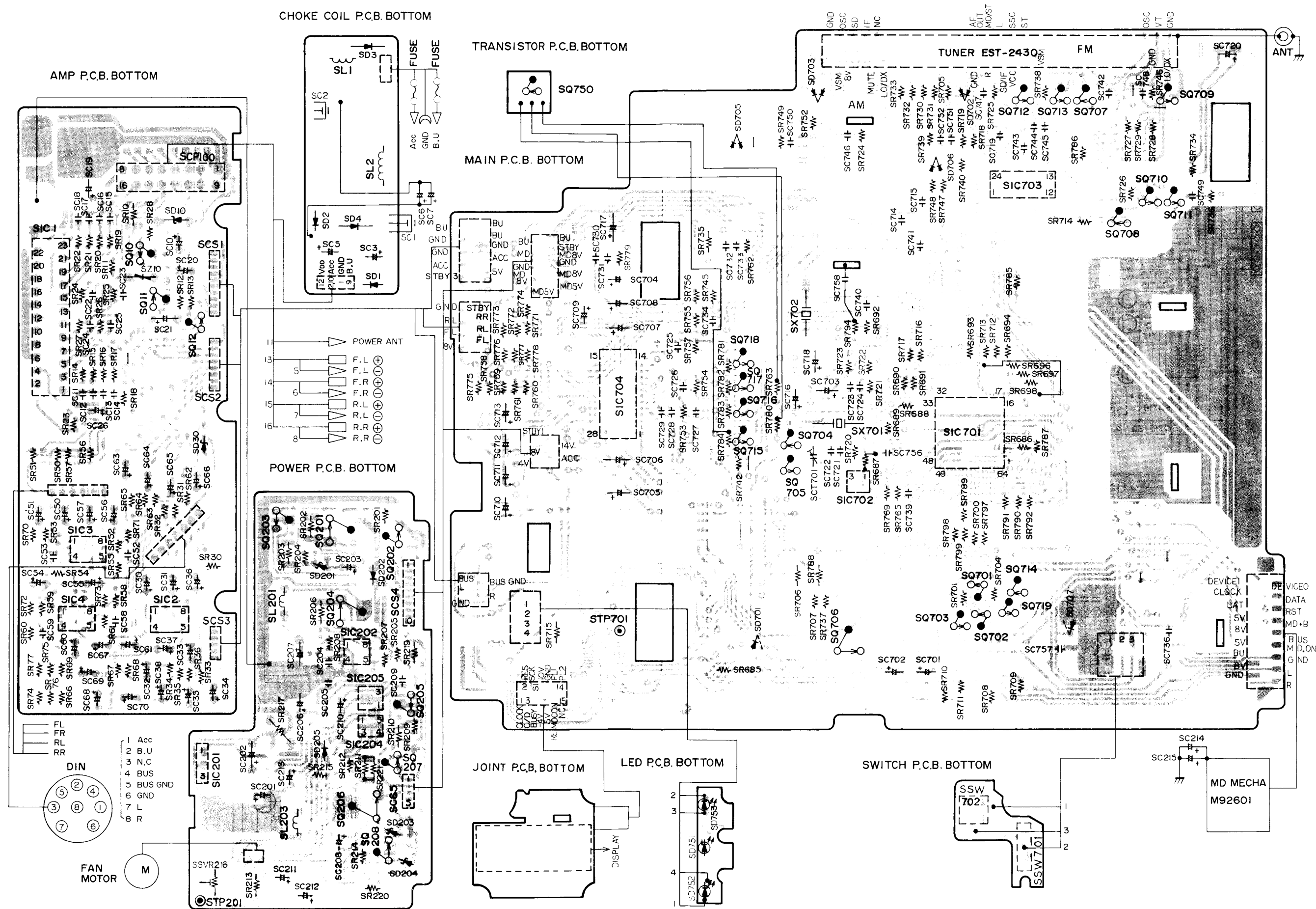
- (6) After switching ON TSW1 and stopping the disc, switch ON TSW16 and release the disc.

MAIN PARTS IDENTIFICATION ILLUSTRATION

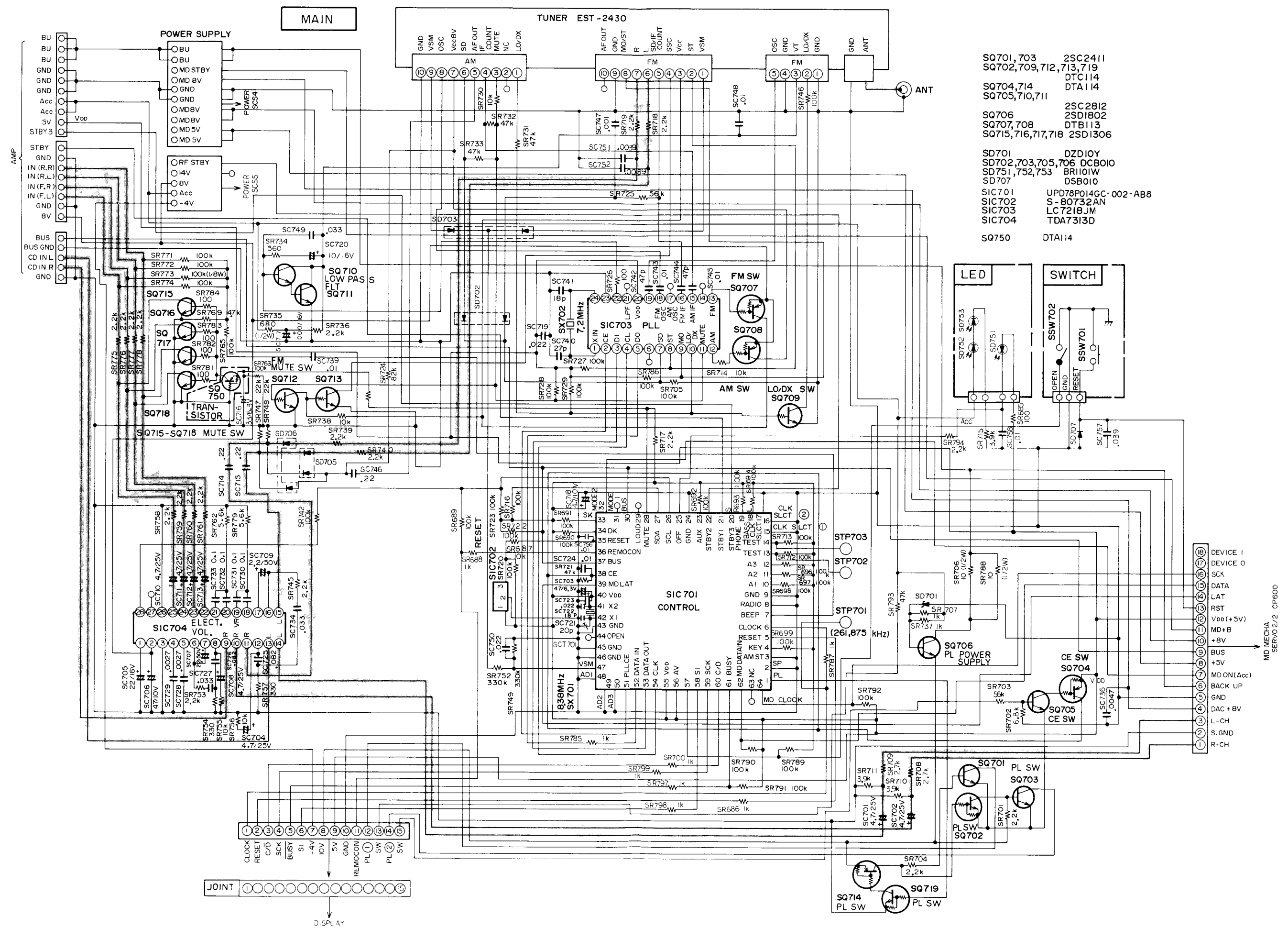


WIRING DIAGRAM



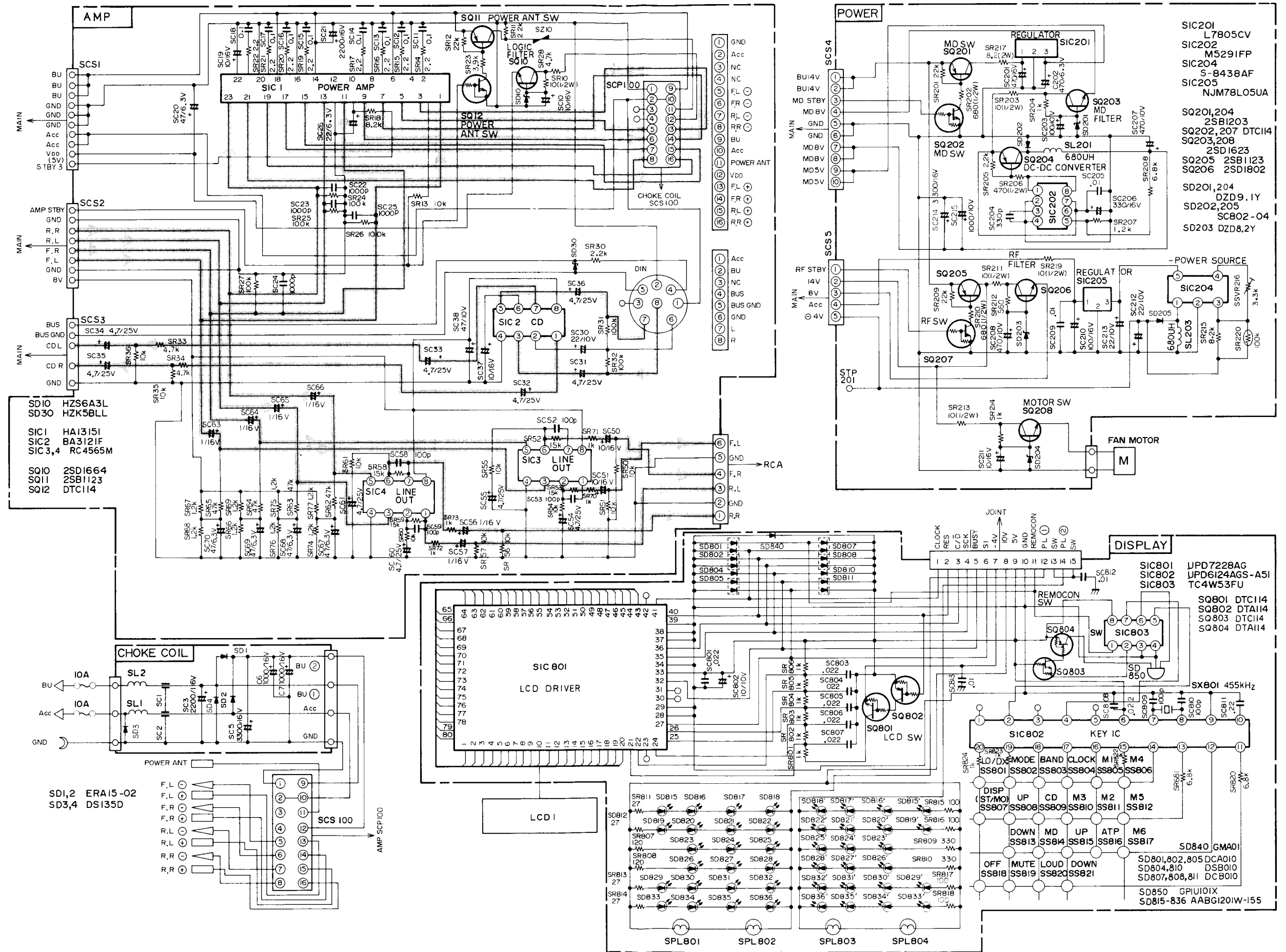


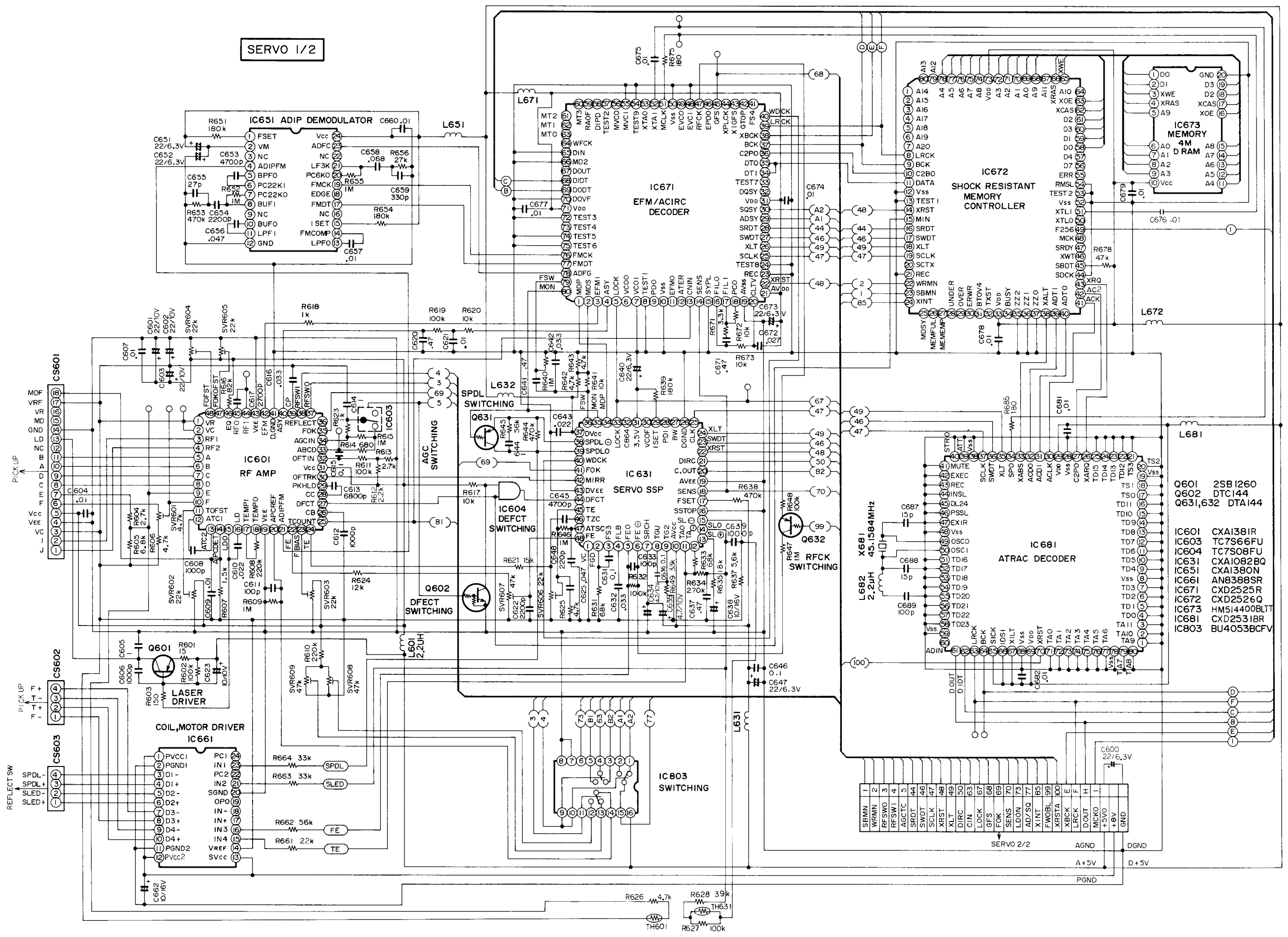
### SCHEMATIC DIAGRAM





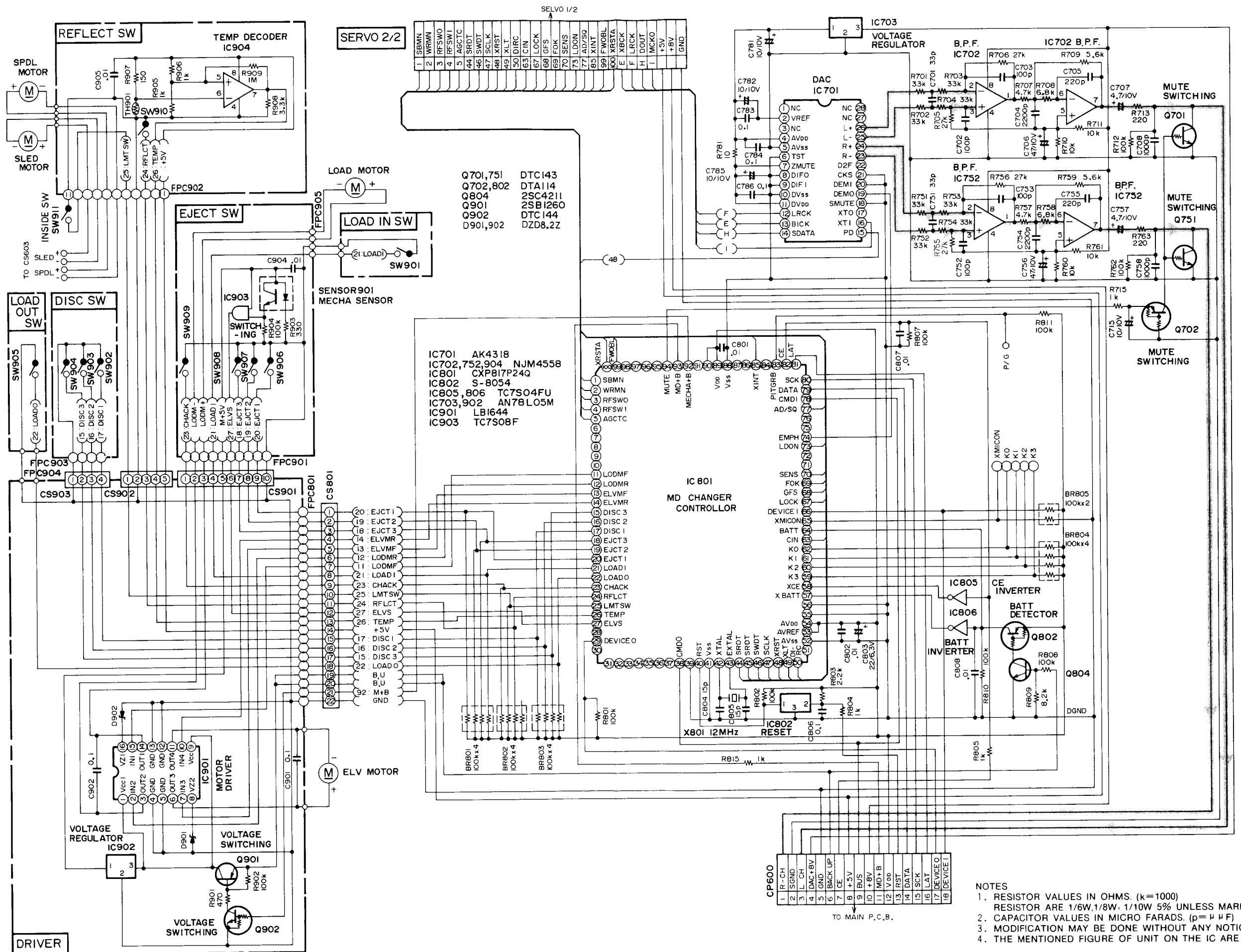
# SCHEMATIC DIAGRAM



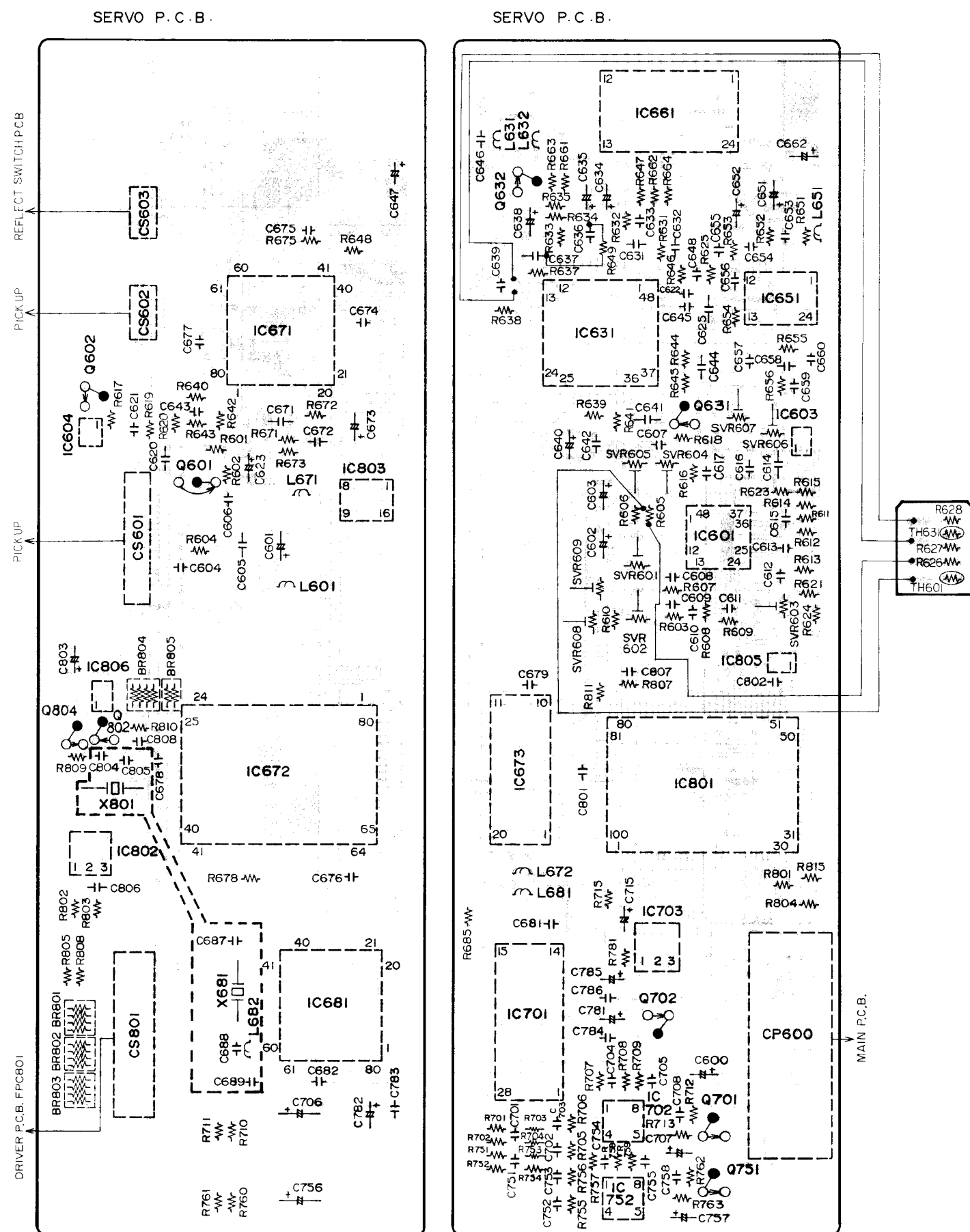




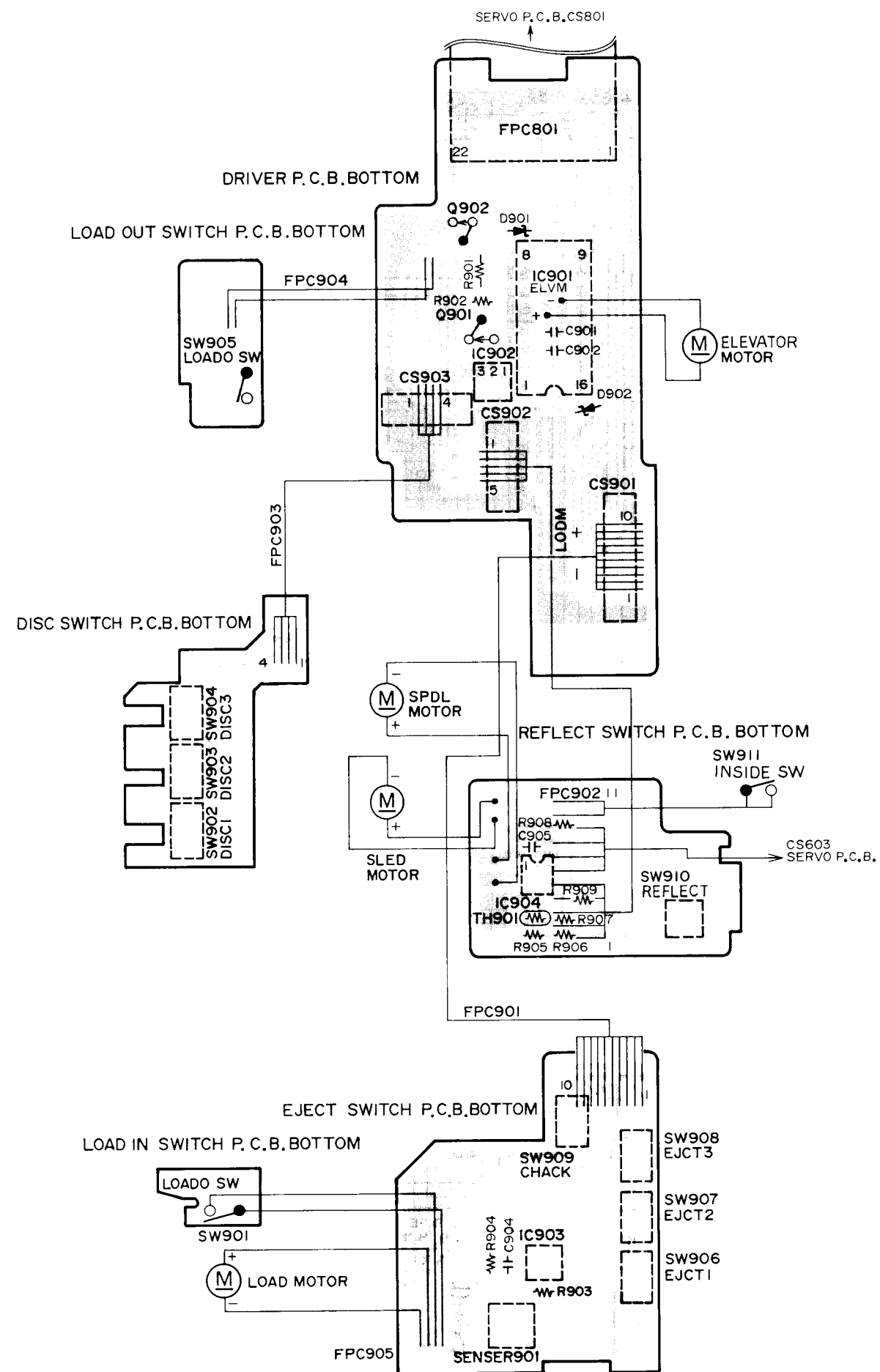
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# WIRING DIAGRAM



Any parts in dotted line shall be used with the combination of other components belonged in same groups.



# IC VOLTAGE CHART

MODE : FM (V)

IC \ PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SIC1	0	5.0	6.8	0	6.8	14.0	6.8	0	6.8	5.0	0	0	0	14.0	6.8	0
	17	18	19	20	21	22	23									
	0	0	6.8	0	6.8	6.8	0									
IC \ PIN	1	2	3	4	5	6	7	8								
SIC2	4.0	4.0	4.0	0	4.0	4.0	4.0	8.0								
SIC3	4.0	4.0	4.0	0	4.0	4.0	4.0	8.0								
SIC4	4.0	4.0	4.0	0	4.0	4.0	4.0	8.0								
SIC202	12.0	0	1.0	0	1.2	14.0	14.0	12.0								
IC \ PIN	1	2	3	4	5											
SIC204	0	0	0	1.0	5.0											
IC \ PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SIC701	5.0	0	0	5.0	0	2.5	5.0	0	0	5.0	5.0	5.0	5.0	5.0	0	0
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	0	5.0	5.0	0	5.0	4.5	5.0	0
	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	5.0	5.0	4.5	5.0	4.5	5.0	4.5	5.0	1.8	2.5	0	5.0	0	0	2.5	0
	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
	0	0	0	4.8	0	0	5.0	5.0	0	0	4.8	4.8	4.8	4.8	5.0	4.8
IC \ PIN	1	2	3													
SIC702	5.0	0	4.8													
IC \ PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SIC703	2.0	0.1	0	0	4.8	0	0	4.5	0	0	0	8.0	0.5	0	0	0
	17	18	19	20	21	22	23	24								
	0	0	2.2	5.0	0	1.2	0	2.4								
IC \ PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SIC704	4.0	8.4	0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	17	18	19	20	21	22	23	24	25	26	27	28				
	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	0	4.8	4.8				
IC \ PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SIC802	5.0	5.0	0	5.0	0	5.0	0	0	0	5.0	0	0	0	0	5.0	5.0
	17	18	19	20												
	5.0	5.0	5.0	5.0												

IC \ PIN	1	2	3
SIC201	14.0	0	5.0
SIC205	14.0	0	5.0

# TRANSISTOR VOLTAGE CHART

(V)

PIN \ TR	SQ 201 MD	SQ 202 MD	SQ 203 MD	SQ 204 MD
B	13.4	4.4	9.0	13.4
C	14.0	0	8.4	14.0
E	13.4	0	13.4	8.0

PIN \ TR	SQ 205	SQ 206	SQ 207	SQ 208
B	13.4	9.0	4.6	9.0
C	14.0	13.4	0	13.4
E	13.4	8.4	0	8.4

PIN \ TR	SQ 10	SQ 11	SQ 12
B	5.5	13.4	5.0
C	14.0	14.0	0
E	5.0	14.0	0

PIN \ TR	Q701		Q702		Q703		Q714		Q715	
	ORANGE	GREEN	ORANGE	GREEN	ORANGE	GREEN	ORANGE	GREEN	ORANGE	GREEN
B	0.6	0	5.0	0	0	0.6	0	5.0	5.0	0
C	0		0	0.6	10.0	0	5.0	0	0	
E	0		0		0		5.0		0	

PIN \ TR	SQ709	
	SEEK	DX
B	5.0	0
C	0	5.0
E	0	

PIN \ TR	SQ 704	SQ 705	SQ 706
B	0	0.6	10.5
C	5.0	0	14.0
E	5.0	0	10.0

PIN \ TR	SQ707		SQ708	
	FM	AM	FM	AM
B	0	8.5	8.5	0
C	8.5	0	0	8.5
E	8.5		8.5	

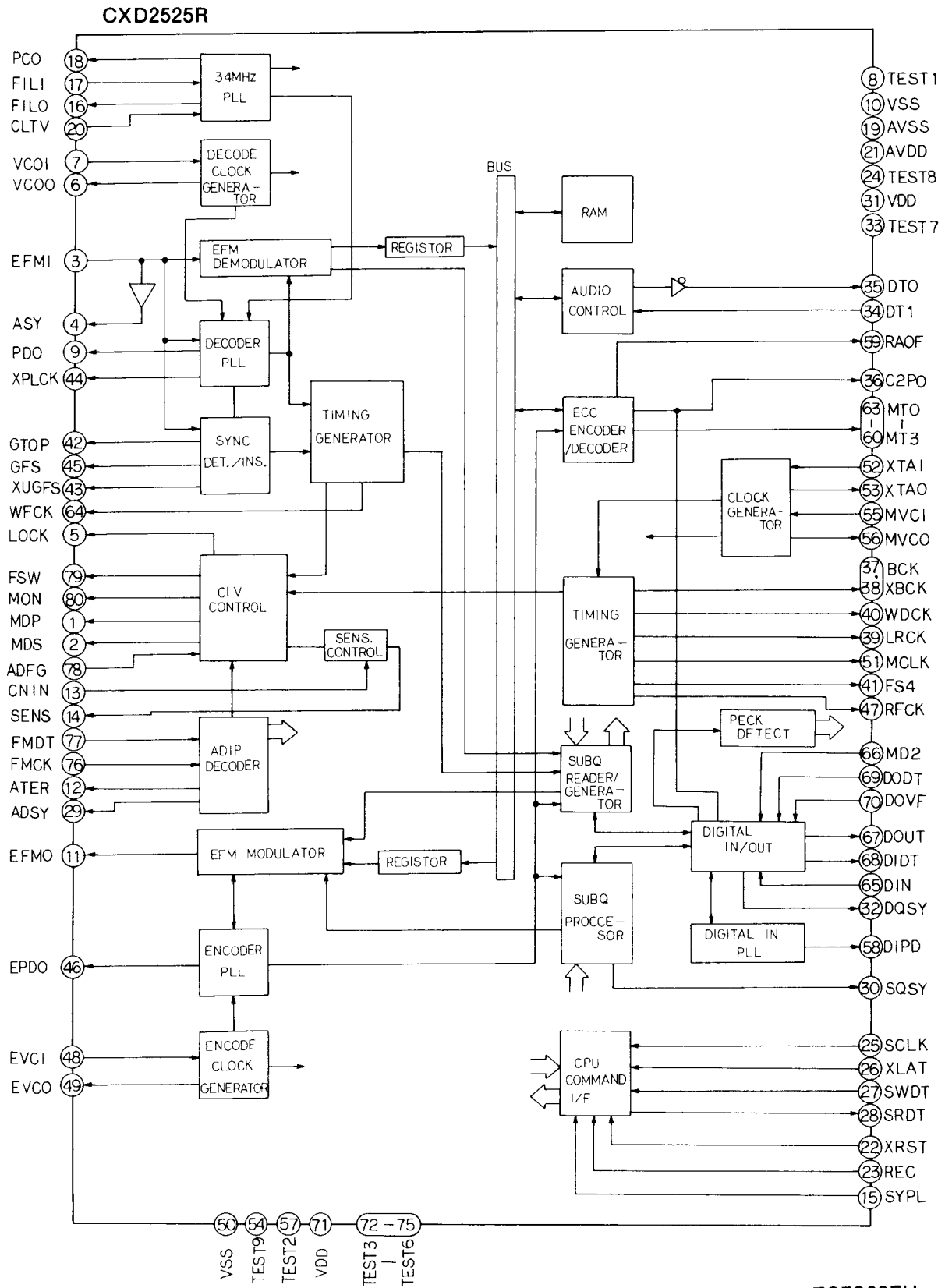
PIN \ TR	SQ710	SQ711
	LOW ~ HI	LOW ~ HI
B	1.2	0.6
C	1.2 ~ 7.5	1.2 ~ 7.5
E	0.6	0

PIN \ TR	SQ712		SQ713	
	ON	OFF	ON	OFF
B	5.0	0	0	5.0
C	0	5.0	5.0	0
E	0		0	

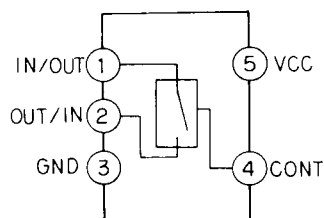
PIN \ TR	SQ715~SQ718	
	ON	OFF
B	0.6	0
C	0	
E	0	

PIN \ TR	SQ 750	SQ 801	SQ 802	SQ 803	SQ 804
B	0	5.0	0	10.0	0
C	0	5.0	5.0	0	5.0
E	0	-4.0	5.0	0	5.0

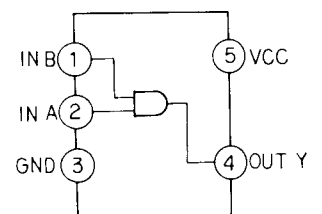
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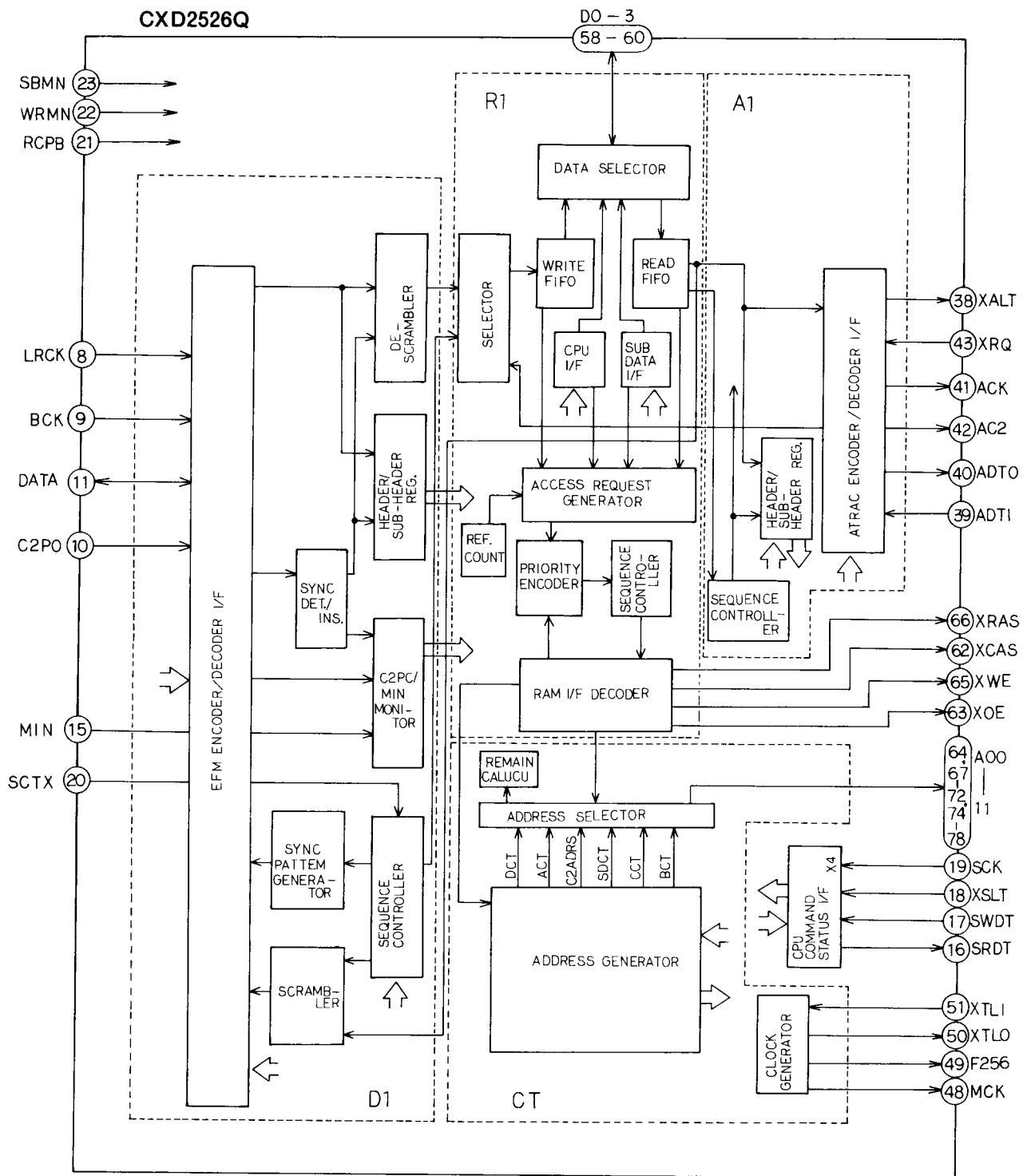
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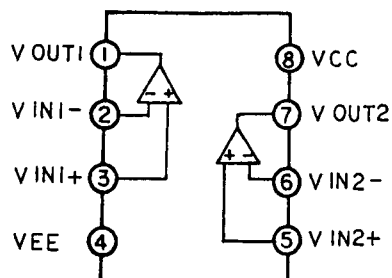
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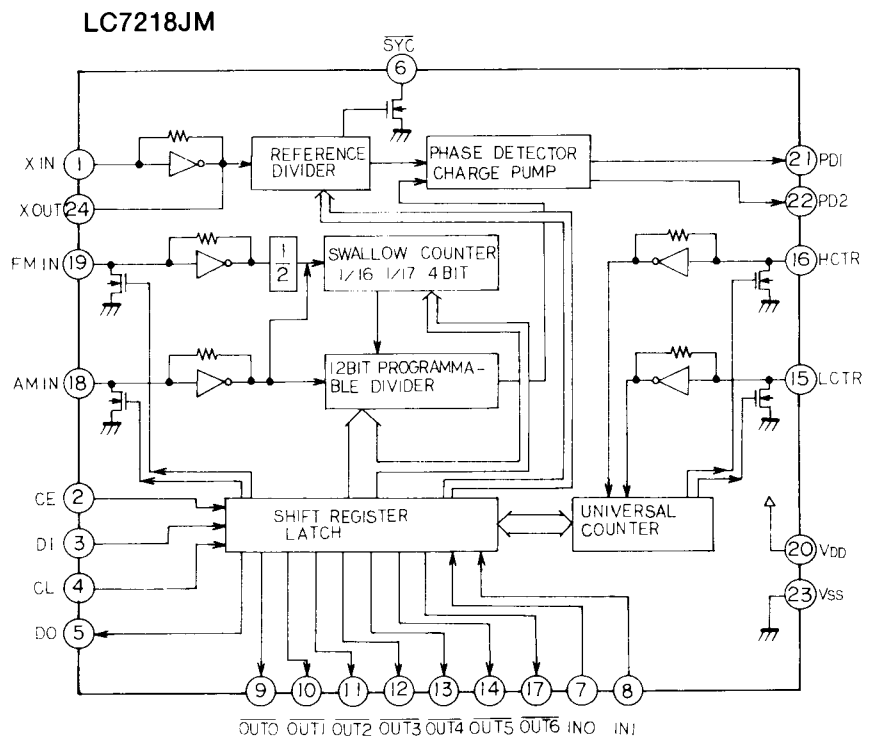
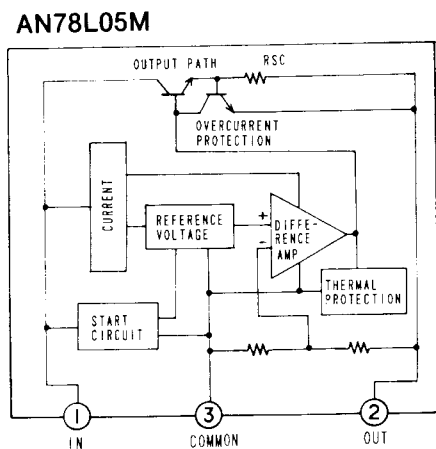
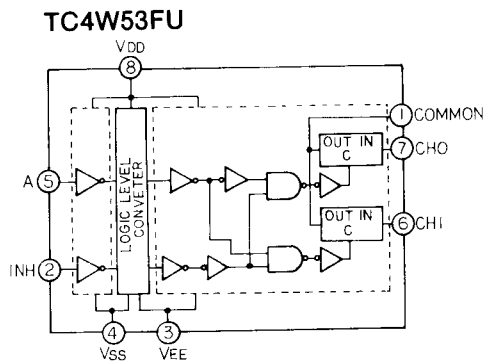
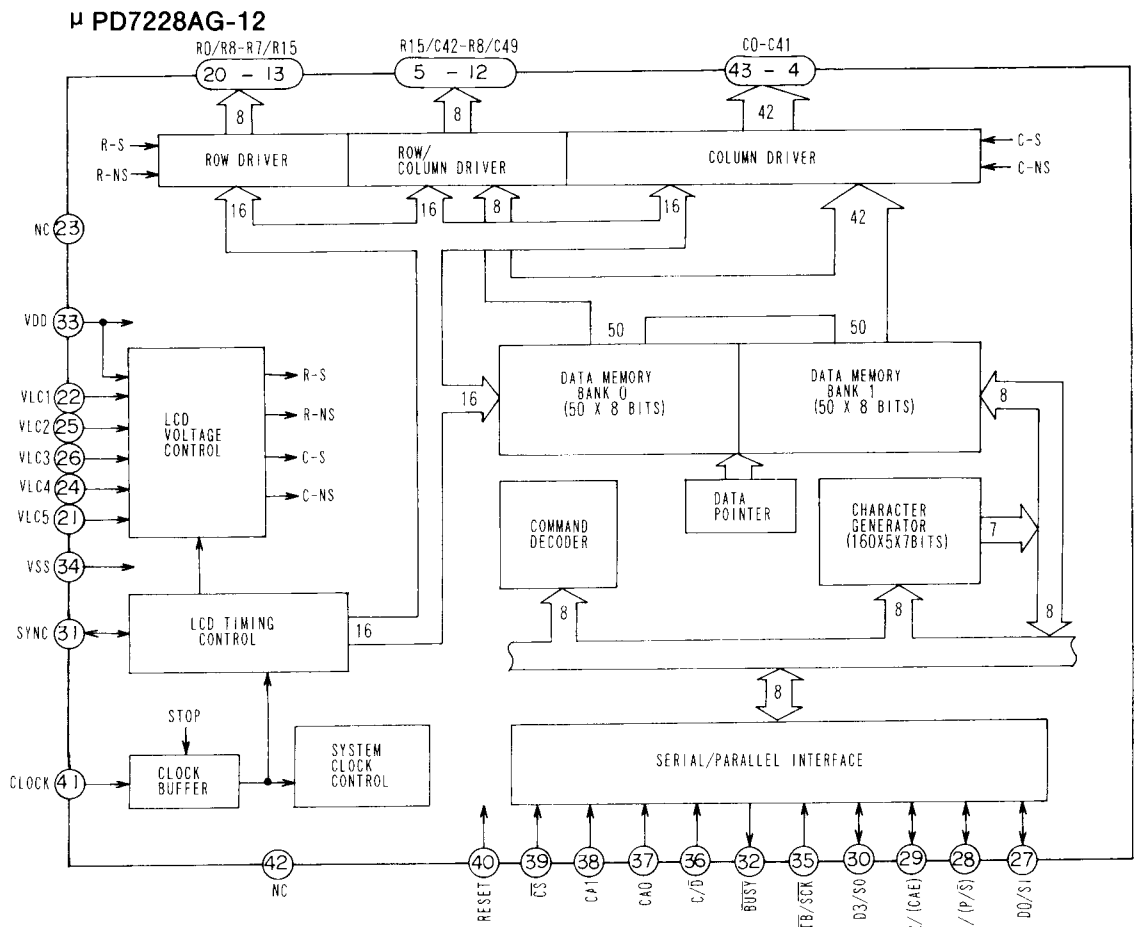


## RC4565M



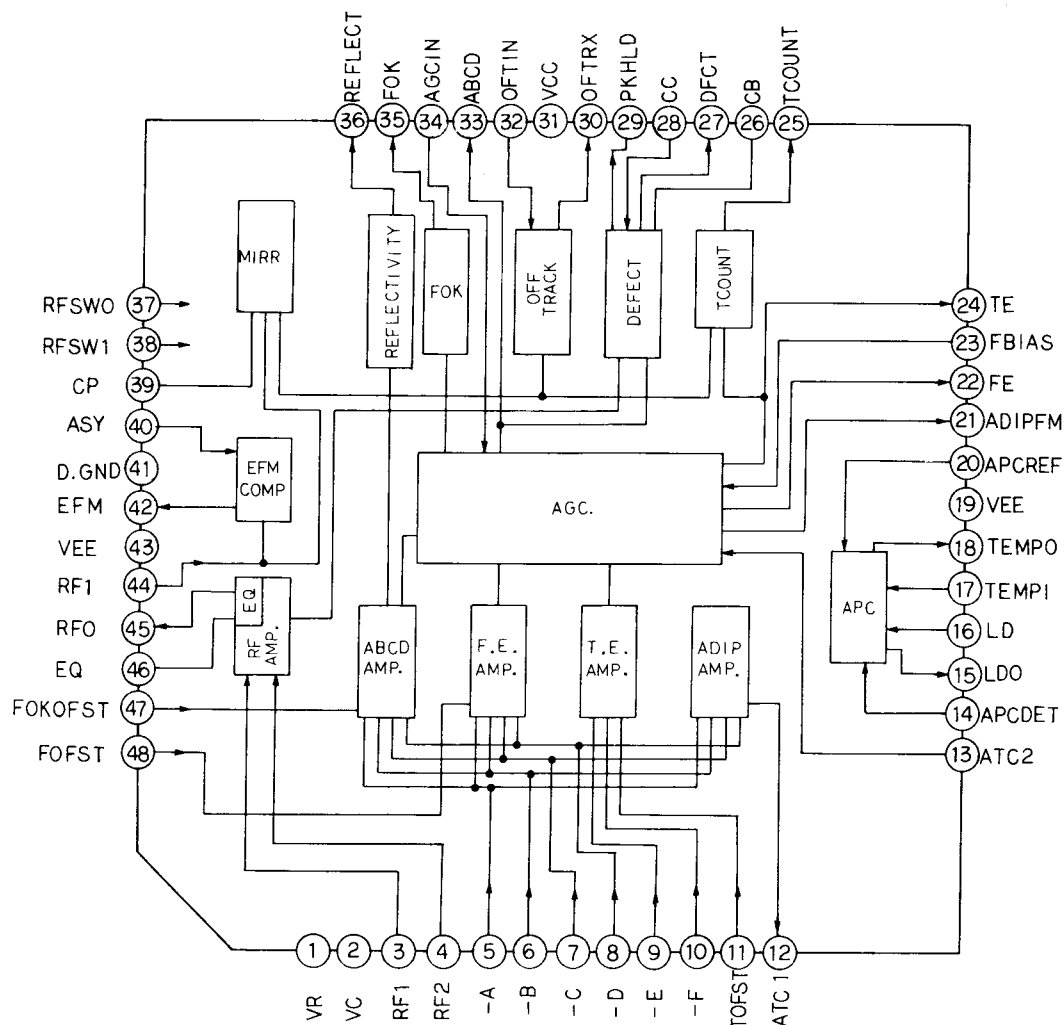


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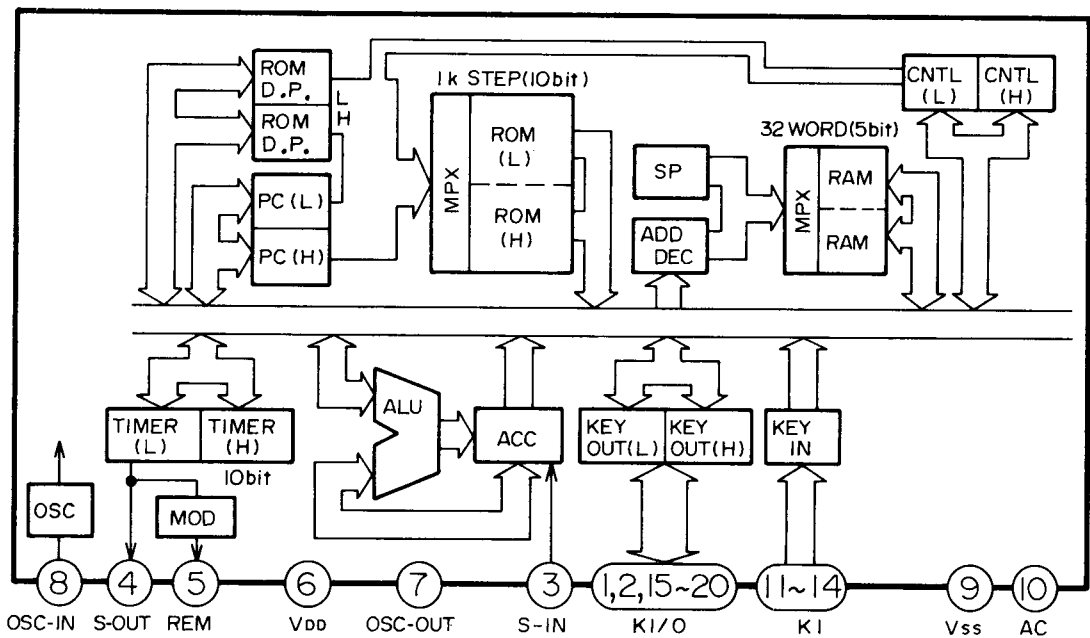


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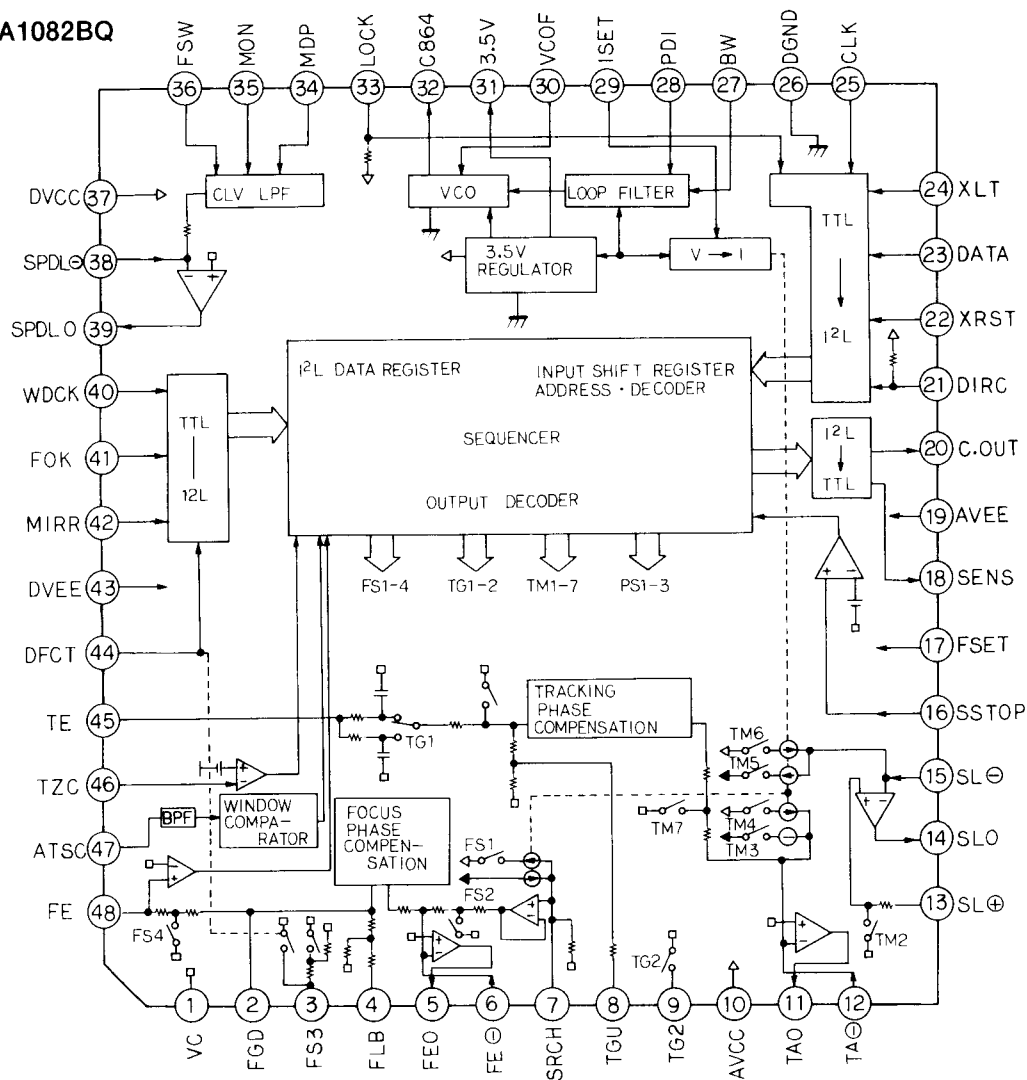


UPD6124AGS

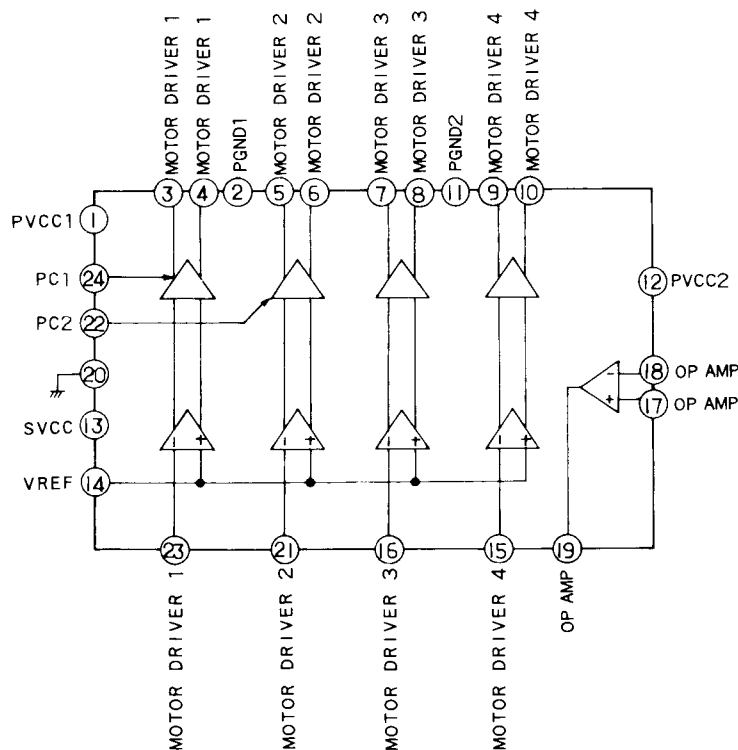


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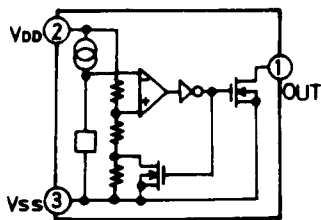
CXA1082BQ



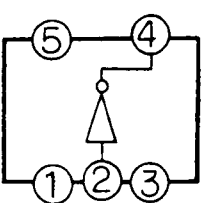
AN8388SR



S-8054HN

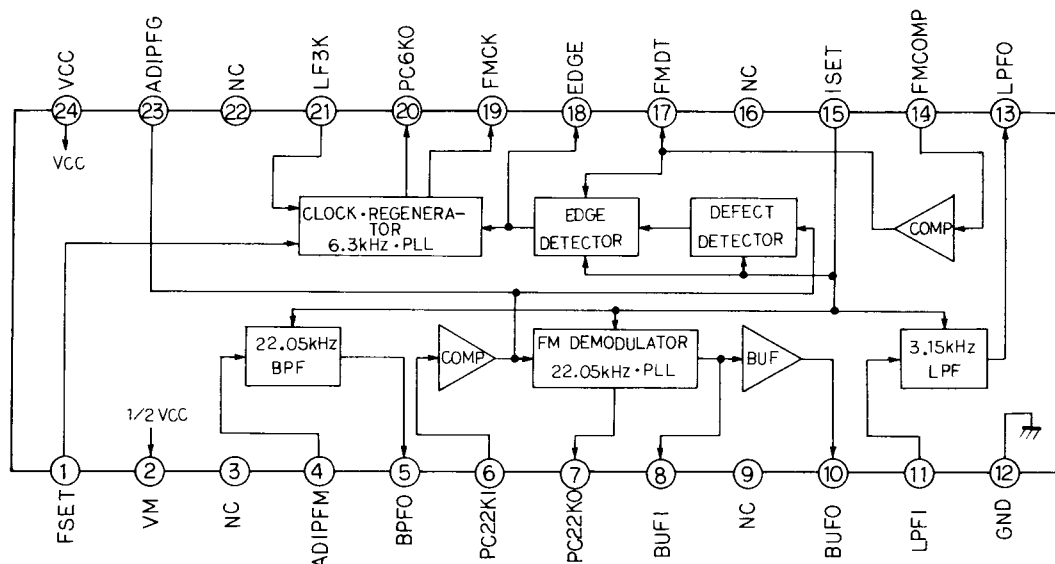


TC7S04FU

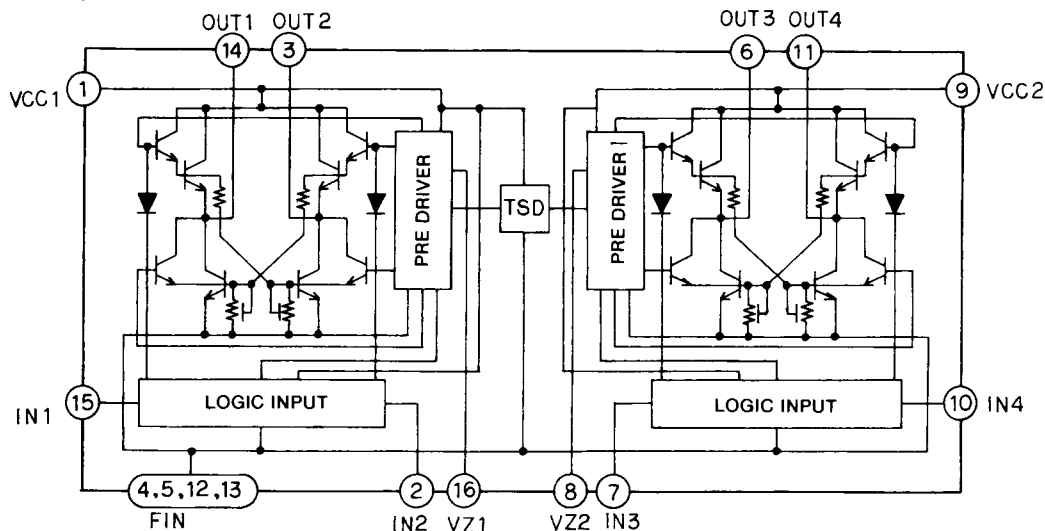


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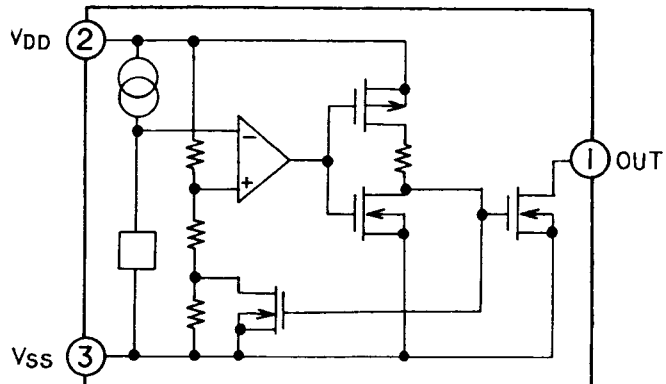
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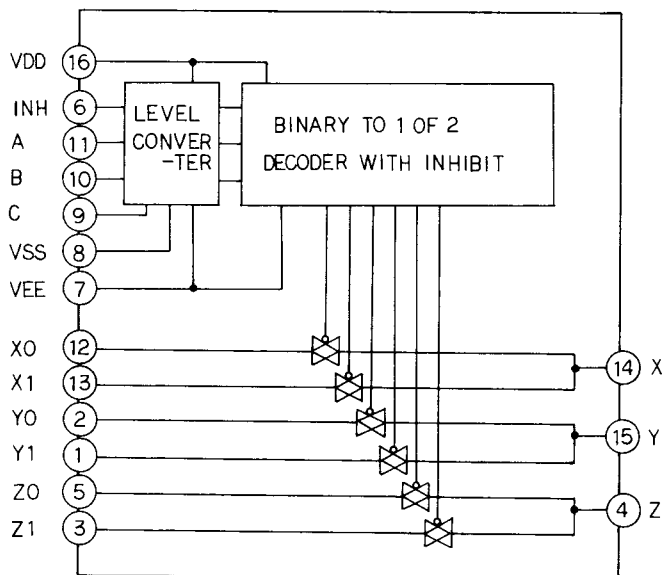
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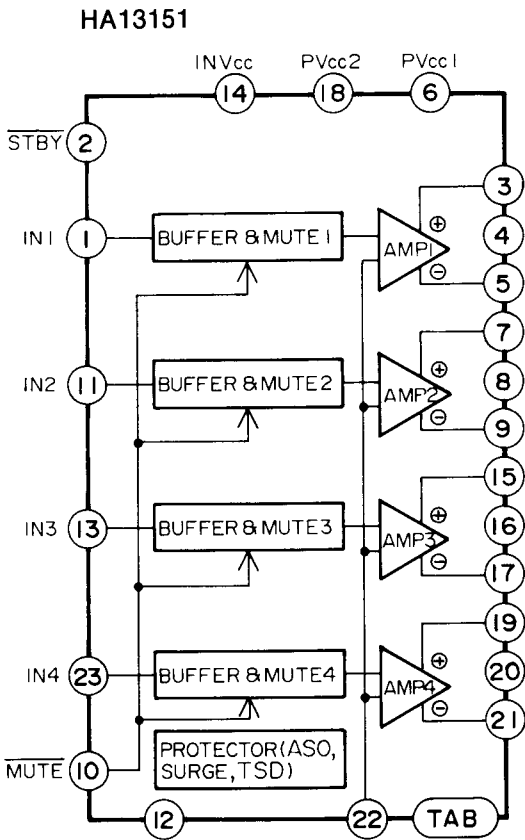
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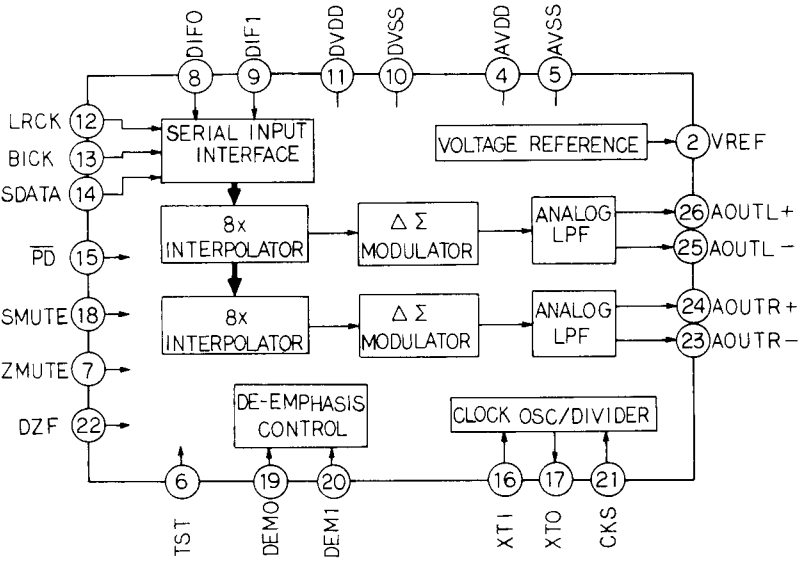
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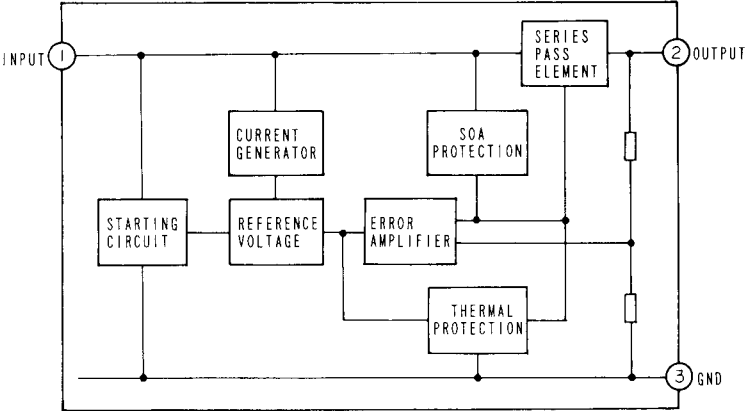
IC BLOCK DIAGRAM



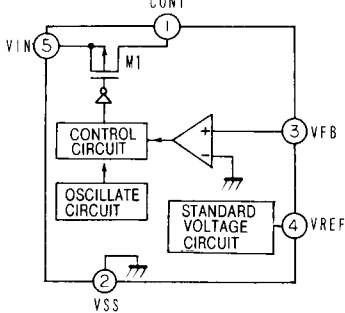
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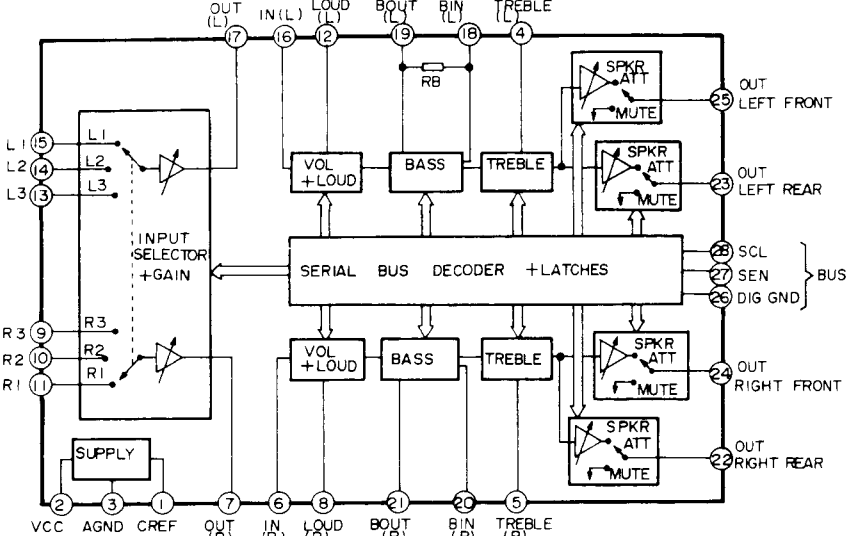
L7805CV



S-8438AF-ZB

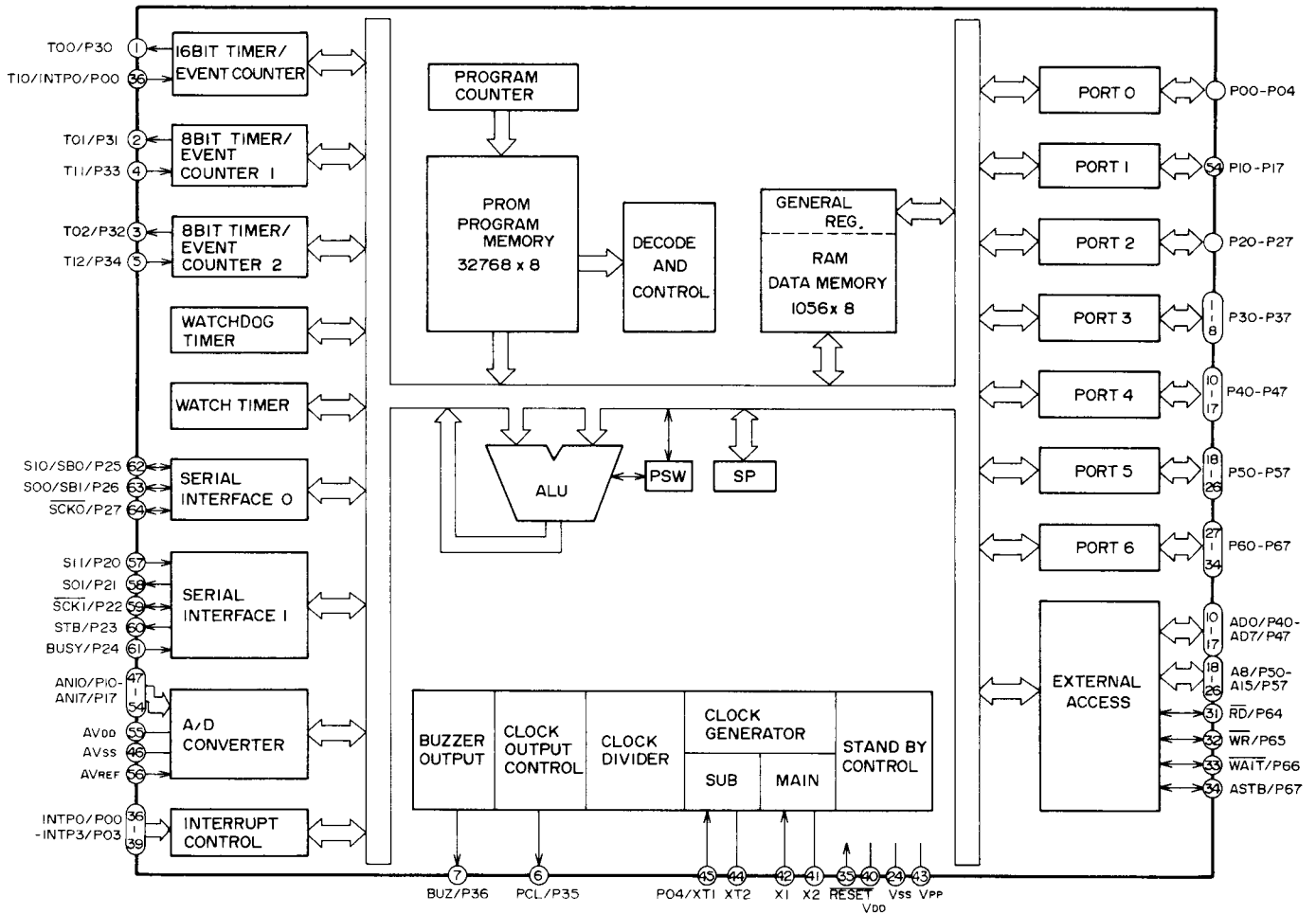


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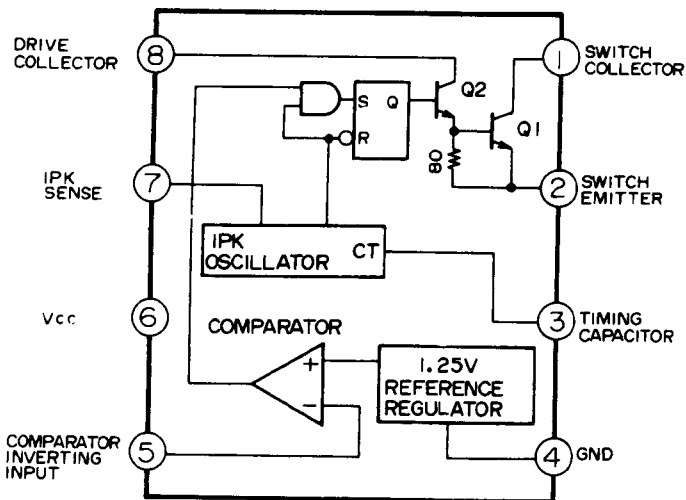


# IC BLOCK DIAGRAM

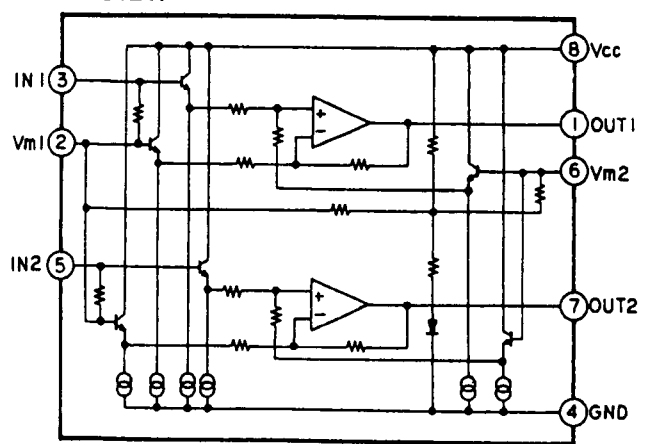
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M5291FP

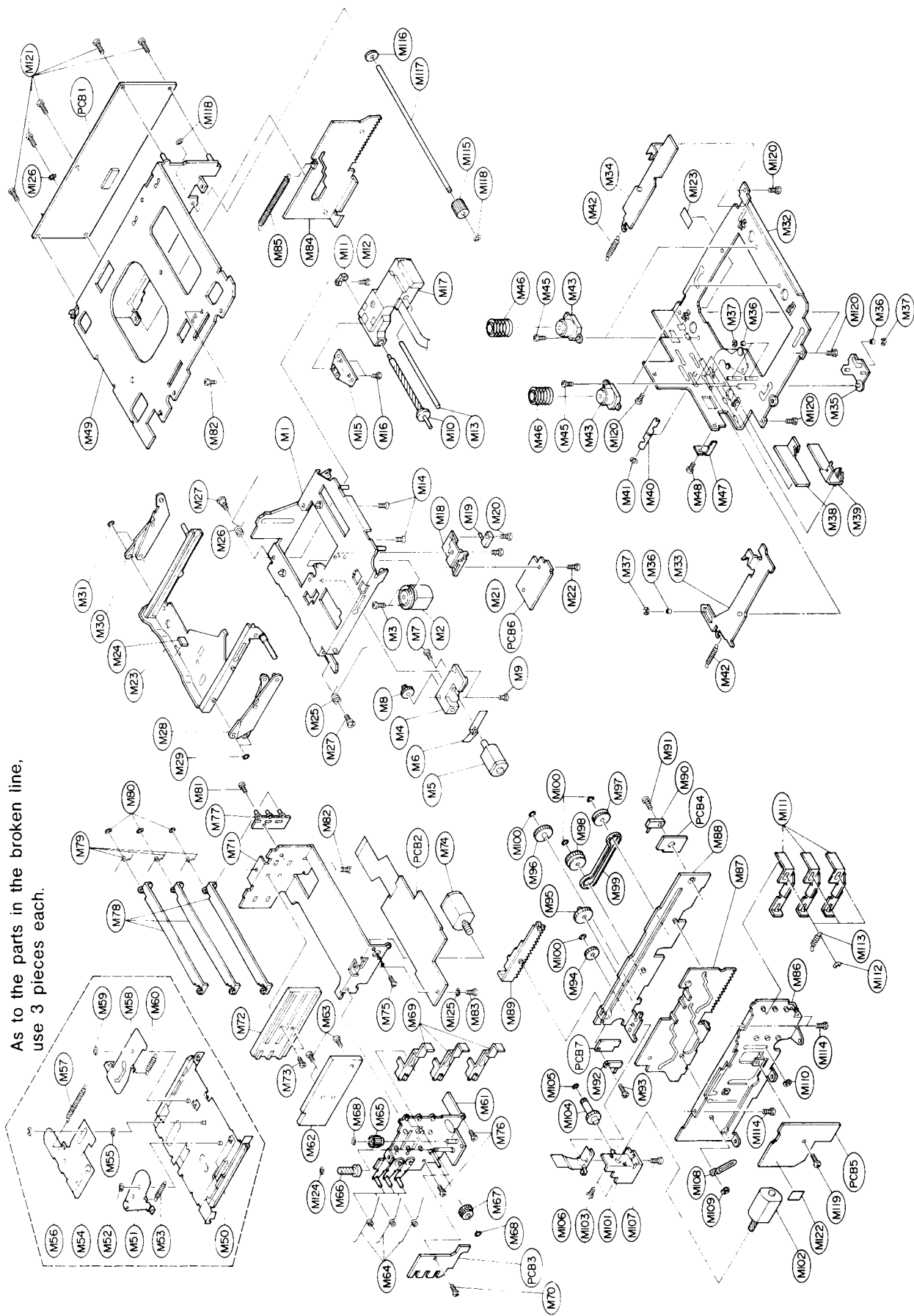


BA3121F





EXPLODED VIEW (MD MECHANISM)



As to the parts in the broken line,  
use 3 pieces each.

# PARTS LIST (MD MECHANISM)

Ref.No	PART No.	DESCRIPTION	Q'ty
MD MECHANISM			
M1	632 691 0917	ASSY,CHASSIS,MD	1
M2	632 692 6055	ASSY,MOTOR,SPINDLE	1
M3	411 018 1208	SCR PAN PCS 1.7X2	2
M4	632 690 5524	MOUNT-M,FEED MOTOR	1
M5	632 692 6062	ASSY,MOTOR,FEED	1
M6	632 690 4916	SPRING,PLATE,THRUST	1
M7	411 017 7508	SCR PAN PCS 1.4X2	2
M8	632 690 5500	GEAR,FEED,B	1
M9	411 027 1008	SCR S-TPG BIN 2X3	2
M10	632 692 6079	ASSY,SHAFT,SCREW	1
M11	632 690 5425	MOUNT-M,SCREW SHAFT	1
M12	411 126 1404	SCR S-TPG BIN 2X4	1
M13	632 690 6958	SHAFT,PU	1
M14	411 033 2907	SCR FLT 2X4	2
M15	632 692 6093	ASSY,SPRING,PLATE,PU	1
M16	411 018 1208	SCR PAN PCS 1.7X2	2
M17	632 692 6611	PICKUP,LASER	1
M18	632 690 4756	BRACKET-M,IN SIDE SWITCH	1
M19,	632 688 4416	SWITCH,PUSH,INSIDE SW	1
SW911			
M20	412 016 4604	SPECIAL SCREW	1
M21	411 027 1008	SCR S-TPG BIN 2X3	1
M22	411 027 1008	SCR S-TPG BIN 2X3	1
M23	632 691 0832	ASSY,BRACKET-M,ELEVATOR	1
M24	632 701 9176	CUSHION	1
M25	632 690 5067	SPRING,TORS,PANTO,L	1
M26	632 690 5104	SPRING,TORS,PANTO,R	1
M27	632 690 6668	SHAFT,PANT,TORSION	2
M28	632 692 6109	ASSY,LEVER,PANTO L	1
M29	632 655 7730	MOUNT-M,SPECIAL WASHER	2
M30	632 692 6130	ASSY,LEVER,PANTO R	1
M31	632 655 7730	MOUNT-M,SPECIAL WASHER	2
M32	632 692 6178	ASSY,PLATE,BOTTOM	1
M33	632 692 6192	ASSY,SLIDE,L,LOCK	1
M34	632 692 6208	ASSY,SLIDE,R,LOCK	1
M35	632 692 6215	ASSY,PLATE,SLIDE	1
M36	632 671 9381	RING,SLIDE ELEVATOR,L	4
M37	412 046 5701	SPECIAL WASHER	4
M38	632 692 6222	ASSY,SLIDE,A,R	1
M39	632 692 6239	ASSY,SLIDE,A,L	1
M40	632 690 4787	LEVER,LINK,L,R	1
M41	632 307 6371	SPECIAL WASHER	1
M42	632 690 5135	SPRING,LOCK,SLIDE	2
M43	632 690 5395	DAMPER	4
M45	411 126 1404	SCR S-TPG BIN 2X4	4
M46	632 690 5159	SPRING,DAMPER	4
M47	632 690 4909	BRACKET-M,LIMIT	1
M48	412 016 4406	SPECIAL SCREW	1
M49	632 692 6246	ASSY,CHASSIS,1	1
M50	632 691 0818	ASSY,CASE	3
M51	632 692 6253	ASSY,LEVER,EJECT LOCK	3
M52	632 307 6371	SPECIAL WASHER	3
M53	632 690 4961	SPRING,TENS,EJECT LOCK	3
M54	632 692 6260	ASSY,SLIDE,EJECT	3
M55	632 690 6361	RING,EJECT LOCK	3
M56	412 046 5701	SPECIAL WASHER	3
M57	632 690 4954	SPRING,TENS,EJECT	3
M58	632 701 4560	LEVER,DISC,LOCK	3
M59	632 307 6371	SPECIAL WASHER	3
M60	632 701 5819	SPRING,TENS,DISC,LOCK	3
M61	632 692 6277	ASSY,BRACKET-M,GUIDE L	1
M62	632 690 5180	GUIDE,L	1
M63	412 016 4406	SPECIAL SCREW	3
M64	632 690 4923	SPRING,TORS,CASE LOCK	3
M65	632 648 4593	GEAR,F	1
M66	632 690 5319	GEAR,G	1
M67	632 690 5326	GEAR,H	1
M68	632 698 5960	MOUNT-M,SPECIAL WASHER	2
M124	411 101 0606	RING E 1.5	1
M69	632 690 4565	SLIDE, (MANUAL EJECT)	3
M70	411 107 2604	SCR PAN PCS 2X2.5	1
M71	632 690 4374	BRACKET-M,GUIDE,R	1

Ref.No	PART No.	DESCRIPTION	Q'ty
M72	632 690 5173	GUIDE,R	1
M73	412 016 4505	SPECIAL SCREW	2
M74	632 692 6291	ASSY,MOTOR,ELEVATOR	1
M75	411 107 2604	SCR PAN PCS 2X2.5	2
M76	412 016 4406	SPECIAL SCREW	2
M77	632 692 6307	ASSY,BRACKET-M,CASE LID	1
M78	632 690 4510	LID,CASE	3
M79	632 690 4947	SPRING,TORS,LID,CASE	3
M80	632 698 5960	MOUNT-M,SPECIAL WASHER	3
M81	412 016 4406	SPECIAL SCREW	1
M82	412 016 4406	SPECIAL SCREW	3
M83	412 016 4406	SPECIAL SCREW	1
M125	411 101 2600	WASHER OUT TW 2	1
M84	632 692 6314	ASSY,SLIDE,R	1
M85	632 696 2701	SPRING,TENS,SLIDE,R	1
M86	632 692 6321	ASSY,CHASSIS,2	1
M87	632 692 6338	ASSY,SLIDE,L	1
M88	632 691 0870	ASSY,SLIDE,ELEVATOR,L	1
M89	632 691 0894	ASSY,HOOKE,SLIDE	1
M90,	632 688 4416	SWITCH,PUSH,LOAD OUT	1
SW905			
M91	412 016 4604	SPECIAL SCREW	1
M92,	632 688 4416	SWITCH,PUSH,LOAD IN	1
SW901			
M93	411 163 1702	SCR S-TPG PAN PCS 2X8	1
M94	632 690 5265	GEAR,B	1
M95	632 690 5272	GEAR,C	1
M96	632 690 5289	GEAR,D	1
M97	632 692 2347	ASSY,GEAR,E1	1
M98	632 692 2354	ASSY,GEAR,E2	1
M99	632 690 5357	BELT,TIMING	1
M100	632 698 5960	MOUNT-M,SPECIAL WASHER	4
M101	632 692 6345	ASSY,BRACKET-M,LOAD MOTOR	1
M102	632 692 6291	ASSY,MOTOR,LOAD	1
M103	411 107 2604	SCR PAN PCS 2X2.5	2
M104	632 690 5258	GEAR,A	1
M105	632 698 5960	MOUNT-M,SPECIAL WASHER	1
M106	632 690 4473	SPRING,PLATE,ROAD IN SW.	1
M107	412 016 4406	SPECIAL SCREW	1
M108	632 701 8957	LEVER,SLIDE,L	1
M109	411 101 0606	RING E 1.5	1
M110	411 101 0606	RING E 1.5	1
M111	632 690 4336	SLIDE,EJECT SWITCH	3
M112	411 101 0606	RING E 1.5	3
M113	632 690 4930	SPRING,TENS,EJECT SWITCH	3
M114	412 016 4406	SPECIAL SCREW	3
M115	632 690 5333	GEAR,I	1
M116	632 690 5340	GEAR,J	1
M117	632 690 6699	SHAFT,GEAR,I	1
M118	632 655 7730	MOUNT-M,SPECIAL WASHER	2
M119	412 016 4406	SPECIAL SCREW	1
M120	412 016 4406	SPECIAL SCREW	5
M121	411 126 1404	SCR S-TPG BIN 2X4	5
M126	411 101 2600	WASHER OUT TW 2	1
M122	632 666 4674	SHEET	1
M123	632 666 4674	SHEET	1
CHASSIS ELECTRICAL			
PCB7	632 691 6476	PCB-W,LOAD IN SWITCH	1
SERVO P.C.B. ASSEMBLY			
PCB1	632 694 5001	ASSY,PCB-ML,SERVO	1
A:IC801	632 701 5086	OTP CXP817P24Q-001-2	1
A:IC601	409 331 0404	IC CXA1381R	1
A:IC631	409 185 1602	IC CXA1082BQ	1
A:IC651	409 331 0503	IC CXA1380N	1
A:IC661	409 315 9201	IC AN8388SR	1
B:IC671	409 331 0602	IC CXD2525R	1
B:IC672	409 331 0701	IC CXD2526Q	1
A:IC673	410 189 8306	IC HM514400BLTT-8	1
A:IC673	410 193 3601	IC HM514400BTT-8 } or	1
B:IC681	409 335 2305	IC CXD2531BR	1

- NOTES: 1. Part orders must contain Model Number, Part Number and Description.  
2. Ordering quantity of screws and resistors must be multiple of 10 pcs.  
3. Regular type resistor and capacitor are omitted. Check the schematic diagram for these values.

# PARTS LIST (MD MECHANISM)

Ref.No	PART No.	DESCRIPTION	Q'ty
A:IC701	409 333 4103	IC AK4318-VS	1
B:IC803	409 335 2909	IC BU4053BCFV	1
A:IC702	409 039 7804	IC NJM4558M	1
A:IC752	409 039 7804	IC NJM4558M	1
A:IC603	409 320 9401	IC TC7S66FU	1
A:IC805	409 323 9002	IC TC7S04FU	1
B:IC806	409 323 9002	IC TC7S04FU	1
B:IC604	409 301 5507	IC TC7S08FU	1
B:IC802	409 181 5703	IC S-8054HN-CB	1
A:IC703	409 204 2702	IC AN78L05M	1
B:Q601	405 128 8608	TR 2SB1260-P	1
B:Q601	405 124 3102	TR 2SB1260-Q	1
B:Q804	405 077 3402	TR 2SC4211-6	1
A:Q702	405 083 6206	TR DTA114YU	1
B:Q802	405 083 6206	TR DTA114YU	1
A:Q631	405 096 4008	TR DTA144TU	1
A:Q632	405 096 4008	TR DTA144TU	1
B:Q602	405 096 2400	TR DTC144EU	1
A:Q701	405 096 4107	TR DTC143TU	1
A:Q751	405 096 4107	TR DTC143TU	1
B:CS602	632 695 7578	SOCKET,4P	1
B:CS603	632 695 7578	SOCKET,4P	1
B:CS601	632 696 1247	SOCKET,18P	1
B:CS801	632 695 7561	SOCKET,22P	1
A:CP600	632 693 7822	PLUG,18P	1
A:SVR601	632 527 3044	PRESET RESISTOR, 4.7K	1
A:SVR602	632 555 5768	POTENTIOMETER,22K	1
A:SVR603	632 555 5768	POTENTIOMETER,22K	1
A:SVR604	632 555 5768	POTENTIOMETER,22K	1
A:SVR605	632 555 5768	POTENTIOMETER,22K	1
A:SVR606	632 555 5768	POTENTIOMETER,22K	1
A:SVR607	632 530 9316	PRESET RESISTOR, 47K	1
A:SVR608	632 530 9316	PRESET RESISTOR, 47K	1
A:SVR609	632 530 9316	PRESET RESISTOR, 47K	1
B:L601	632 705 4900	INDUCTOR 2.2UH J	1
A:L631	632 701 7059	INDUCTOR,150	1
A:L632	632 701 7059	INDUCTOR,150	1
A:L651	632 701 7059	INDUCTOR,150	1
A:L672	632 701 7059	INDUCTOR,150	1
A:L681	632 701 7059	INDUCTOR,150	1
B:L671	632 701 7059	INDUCTOR,150	1
CONFIRM THE PRINTING KDS OR KSS AT THE TOP OF CRYSTAL IN UNIT AND SELECT DESIRED COMPONENTS FROM CORRESPONDING GROUPS ON THE PART LIST. THIS MEANS ANY PARTS BELONGED TO GROUP 1 IS NOT PERMITTED TO USE WITH ANY OTHER PARTS OUT OF GROUP2 OR VICE-VERSA.			
B:X801 (KDS)	632 698 0798	RESONATOR,XTAL,12.000MHZ	1
B:X681 (KDS)	632 698 0804	RESONATOR,XTAL,45.1584MHZ	1
B:L682	632 702 5139	INDUCTOR 2.2UH K	*1 1
B:C689	403 157 3601	CERAMIC 100P J 50V	1
B:C687	403 155 4204	CERAMIC 15P J 50V	1
B:C804	403 155 4204	CERAMIC 15P J 50V	1
B:C805	403 155 4204	CERAMIC 15P J 50V	1
B:C688	403 155 4204	CERAMIC 15P J 50V	1
*1 (GROUP 1)			
B:X801 (KSS)	632 701 7066	RESONATOR,XTAL,12000KHZ	1
B:X681 (KSS)	632 701 7073	RESONATOR,XTAL,45.1584MHZ	1
B:L683	632 702 5146	INDUCTOR 2.7UH K	*2 1
B:C689	403 153 9102	CERAMIC 5P C 50V	1
B:C687	403 157 1904	CERAMIC 10P D 50V	1
B:C804	403 157 1904	CERAMIC 10P D 50V	1
B:C805	403 157 1904	CERAMIC 10P D 50V	1
B:C688	403 113 3805	CERAMIC 1000P K 50V	1
*2 (GROUP 2)			

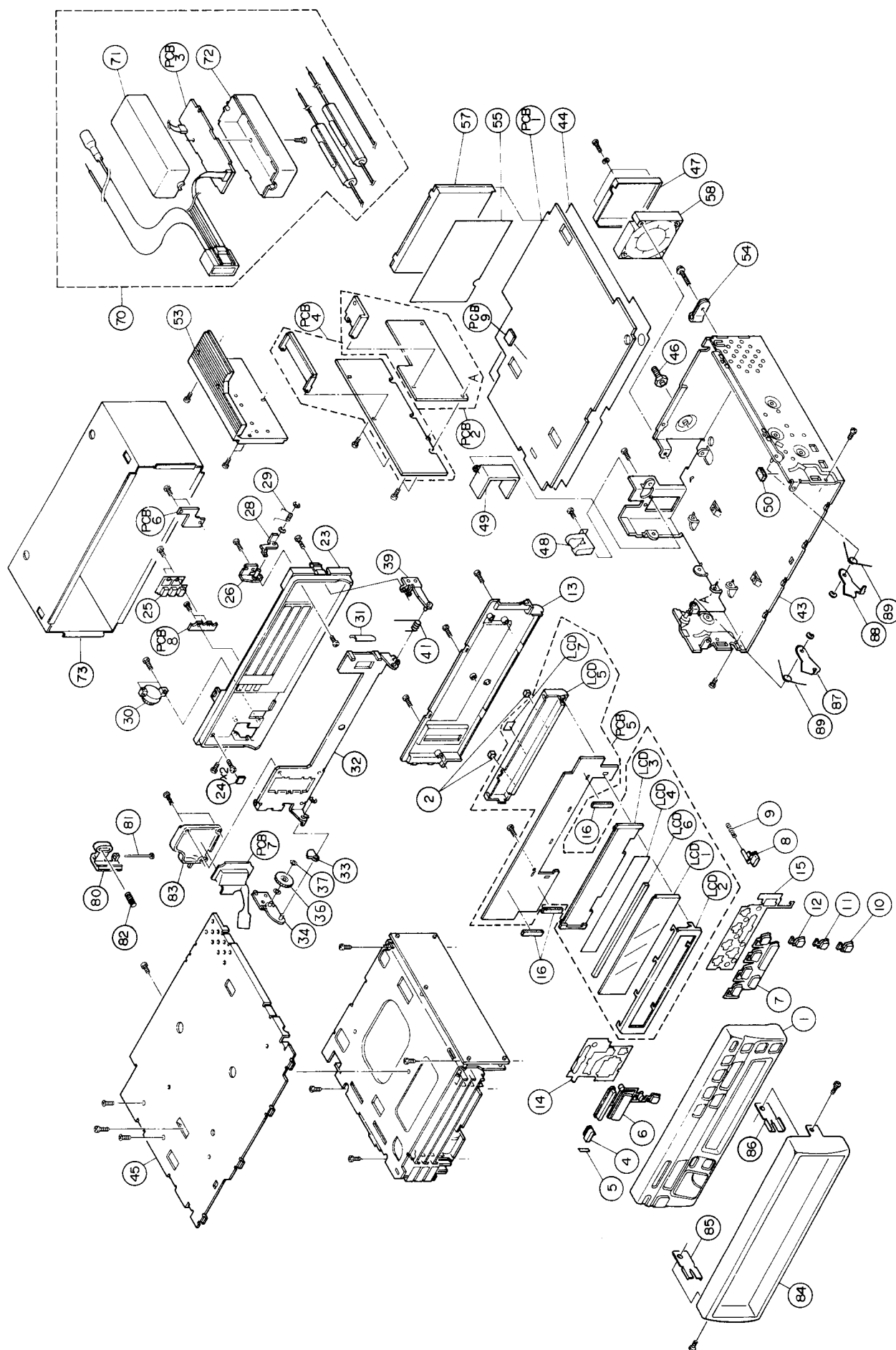
Ref.No	PART No.	DESCRIPTION	Q'ty
A:C625	404 063 5505	CERAMIC 0.47U K 16V	1
A:C637	404 063 5505	CERAMIC 0.47U K 16V	1
A:C641	404 063 5505	CERAMIC 0.47U K 16V	1
B:C620	404 063 5505	CERAMIC 0.47U K 16V	1
B:C671	404 063 5505	CERAMIC 0.47U K 16V	1
A:C614	404 063 5406	CERAMIC 1U K 16V	1
A:C644	404 063 5406	CERAMIC 1U K 16V	1
B:C605	404 063 5406	CERAMIC 1U K 16V	1
B:BR805	632 630 8042	RESISTOR,2K100K	1
B:BR801	632 614 3476	RESISTOR,4X100K	1
B:BR802	632 614 3476	RESISTOR,4X100K	1
B:BR803	632 614 3476	RESISTOR,4X100K	1
B:BR804	632 614 3476	RESISTOR,4X100K	1
TH601	408 021 5507	TH NTCCS20124CH104KCT	1
TH631	408 022 0600	TH NTCCS20123SH223KCT	1
DRIVER P.C.B. ASSEMBLY			
PCB2	632 691 6568	ASSY,PCB-W,DRIVER	1
IC901	409 112 8001	IC LB1644	1
IC902	409 204 2702	IC AN78L05M	1
Q901	405 128 8608	TR 2SB1260-P	1
Q901	405 124 3102	TR 2SB1260-Q	1
Q902	405 029 3504	TR DTC144EK	1
D901	407 071 8605	ZENER DIODE DZD8.2Z	1
D902	407 071 8605	ZENER DIODE DZD8.2Z	1
CS901	632 695 7592	SOCKET,10P	1
CS902	632 695 7585	SOCKET,5P	1
CS903	632 695 7578	SOCKET,4P	1
FPC801	632 692 2378	FPC,DRIVER	1
DISC SWITCH P.C.B. ASSEMBLY			
PCB3	632 691 6506	ASSY,PCB-W,DISC SWITCH	1
SW902,	632 692 3610	SWITCH,MICRO	1
DISC1			
SW903,	632 692 3610	SWITCH,MICRO	1
DISC2			
SW904,	632 692 3610	SWITCH,MICRO	1
DISC3			
FPC903	632 692 3313	WIRE,4P-56MM	1
LOAD OUT SWITCH P.C.B. ASSEMBLY			
PCB4	632 691 6513	ASSY,PCB-W,LOAD OUT SW.	1
FPC904	632 699 9349	FPC,LOAD,OUT,SWITCH	1
EJECT SWITCH P.C.B. ASSEMBLY			
PCB5	632 691 6520	ASSY,PCB-W,EJECT SWITCH	1
SW906,	632 692 3610	SWITCH,MICRO	1
EJECT1			
SW907,	632 692 3610	SWITCH,MICRO	1
EJECT2			
SW908,	632 692 3610	SWITCH,MICRO	1
EJECT3			
SW909,	632 692 3610	SWITCH,MICRO	1
CHACK			
SENDER	407 149 7806	PHOTO COUPLE SPI-236-17,	1
901		ELVS	
IC903	409 152 5404	IC TC7S08F	1
FPC901	632 692 3290	WIRE,10P-76MM	1
FPC905	632 692 2361	FPC,LOAD MOTOR	1
REFLECT SWITCH P.C.B. ASSEMBLY			
PCB6	632 691 6575	ASSY,PCB-W,REFLECT,SWITCH	1
SW910	632 692 3535	SWITCH,MICRO,REFLECT	1
IC904	409 039 7804	IC NJM4558M	1
TH901	408 013 0305	TH NTCCS20123BH102KCTH1	1
FPC902	632 692 2385	FPC	1

NOTES: 1. Part orders must contain Model Number, Part Number and Description.

2. Ordering quantity of screws and resistors must be multiple of 10 pcs.

3. Regular type resistor and capacitor are omitted. Check the schematic diagram for these values.

# EXPLODED VIEW



# PARTS LIST

Ref.No	PART No.	DESCRIPTION	Q'ty
<b>INDIVIDUAL</b>			
	632 706 0727	INNER CARTON	1
	632 706 0703	PAD,L	1
	632 706 0710	PAD,R	1
	632 298 2185	POLYETHYLENE BAG	1
	632 645 2325	LABEL,BARCODE	1
	632 711 0224	SPACER	1
<b>ACCESSORY</b>			
73	632 656 4059	ASSY,CASE	1
	632 298 1683	POLYETHYLENE BAG	1
	632 656 4264	LEVER,HOOK	2
	632 298 1683	POLYETHYLENE BAG	1
	411 055 2503	NUT HEX+CON-SW 5	1
	632 284 5237	SPECIAL SCREW,5X13	1
	411 002 3904	SCR FLT 4X6	4
	632 268 6281	BRACKET, SET	1
	632 693 8478	REMOCON,CARD,MDY-R1	1
	632 666 1789	LABEL,RATING	1
	632 699 7635	SHIPPING SCWER	2
	632 708 7168	LABEL,CAUTION	1
	632 707 8463	LABEL,CAUTION	2
	632 709 9031	SHIPPING SCREW,PICK	1
	632 711 5663	LABEL,CAUTION	1
70	632 710 1000	ASSY,CORD	1
71	632 696 6211	CASE,TOP	(1)
72	632 696 6303	CASE,BOTTOM	(1)
	411 025 9501	SCR S-TPG PAN 2X8,CASE	(1)
	632 647 1593	LABEL,CORD,+12V ACC/SW	(1)
	632 647 1609	LABEL,CORD,+12V CONSTANT	(1)
	632 647 1616	LABEL,CORD,P.ANT/AMP ON	(1)
	632 647 1623	LABEL,CORD,GROUND	(1)
	632 647 1630	LABEL,CORD,F.L. SP	(1)
	632 647 1654	LABEL,CORD,F.R. SP	(1)
	632 647 1661	LABEL,CORD,R.L. SP	(1)
	632 647 1678	LABEL,CORD,R.R. SP	(1)
PCB3	632 701 4058	ASSY,PCB,CHOKE COIL	(1)
SL2	632 575 2792	INDUCTOR,SK	((1))
SL1	632 265 9605	CHOKE COIL	((1))
SC1,2	404 038 7909	CERAMIC 2200P M 50V	((2))
SD1,2	407 005 8602	DIODE ERA15-02	((2))
SD3,4	407 005 1603	DIODE DS135D	((2))
	632 701 1095	CORD,700MM	((1))
	632 701 1118	CORD,ATTACHMENT	((1))
	632 700 2383	LABEL,CORD,AUDIO OUTPUT - FRONT	1
	632 700 2390	LABEL,CORD,AUDIO OUTPUT - REAR	1
	632 630 6505	LABEL,CORD,TO CD CHANGER	1
	632 609 8844	POLY COVER,130X250,CORD	1
	632 701 4010	INSTRUCTION MANUAL	1
	632 706 3223	VEIL	1
	632 298 1881	POLYETHYLENE BAG	1
	632 708 7175	NOTICE,FRQ. - RANGE	1
	632 298 2376	POLYETHYLENE BAG	1
		ASSY CASE	
	632 711 0255	ASSY,CASE	1
<b>CABINET</b>			
1	632 710 1970	ASSY,PANEL,1	1
4	632 691 3888	BUTTON,OFF	1
5	632 703 9914	SPACER	1
6	632 694 4202	BUTTON,DISP	1
7	632 691 7848	BUTTON,SC	1
8	632 691 3932	BUTTON,OPEN	1
9	632 691 4007	SPRING,COMP,BUTTON-OPEN	1
10	632 691 4014	BUTTON,MD	1
11	632 691 4021	BUTTON,CD	1
12	632 691 7879	BUTTON,RA	1
13	632 691 4038	PANEL,REAR	1
	411 025 9105	SCR S-TPG PAN 2X5,PCB	1
	411 025 9303	SCR S-TPG PAN 2X6,PANEL	3
14	632 705 8113	SHIELD,PLATE	1
15	632 705 8137	SHIELD,PLATE	1
16	632 706 5876	CUSHION	3
2	632 707 3338	CUSHION,RUBBER,PANEL	2
23	632 707 9200	ASSY,PANEL,2	1
24	632 340 9537	CUSHION	2
25	632 691 4113	BUTTON,EJECT	1
	412 016 3003	SPECIAL SCREW	2
		BOTTON(EJECT)	
	412 020 3907	SPECIAL SCREW	2
		P.C.B.,EJECT	
	411 025 9006	SCR S-TPG PAN 2X4	2
		P.C.B., RESET	
26	632 707 9125	ASSY,BRACKET-M,LEVER-LOCK	1
28	632 691 4144	LEVER,LOCK	1
29	632 691 4151	SPRING,TORS,LEVER-LOCK	1
	411 101 0606	RING E 1.5,SPRING	2

Ref.No	PART No.	DESCRIPTION	Q'ty
30	411 025 9204	SCR S-TPG PAN 2X6	1
		BRACKET ASSY	
	632 702 7065	DAMPER,GEAR	1
	411 025 9402	SCR S-TPG PAN 2X8,DAMPER	2
	411 028 2905	SCR S-TPG PAN 2X4	2
		BRACKET - CHASSIS	
	411 162 6401	SCR S-TPG PAN 2X4	2
		BRACKET	
	411 162 6401	SCR S-TPG PAN 2X4	2
		PANEL 2	
32	632 559 9656	PAD,CORD	2
	632 704 2303	BRACKET-M,PANEL	1
	632 704 2327	SPRING,PLATE	1
	632 691 4175	GEAR,A	1
	632 707 9132	ASSY,BRACKET-M,L	1
	632 691 4205	GEAR,B	1
	632 305 5987	SPECIAL WASHER,CUT-W	1
	411 101 0606	RING E 1.5,SHAFT	1
	411 028 2004	SCR S-TPG PAN 1.7X3	2
		SPRING,PLATE	
39	411 089 9608	WASHER Y 2.5X4.7X0.25	1
		GEAR-B	
	632 707 9156	ASSY,BRACKET-M,R	1
	632 691 4236	SPRING,TORS,PANEL-OPEN	1
	632 691 4250	BUTTON,RELEASE	1
	632 691 4267	SHAFT,BUTTON-RELEASE	1
	632 699 3804	SPRING,COMP,BUTTON-RELE.	1
	632 691 4281	CASE,CONNECTOR	1
	411 162 6401	SCR S-TPG PAN 2X4	3
		CASE(CONNECTOR)	
84	632 694 4257	PANEL,TRIM	1
	632 694 4288	STOPPER,L	1
	632 694 4301	STOPPER,R	1
	411 027 5402	SCR S-TPG FLT 2.6X6	2
		STOPPER	
	632 706 5531	LABEL,RATING	1
	632 660 1891	LABEL,PATENT	1
	632 576 3989	LABEL,FDA.DHHS	1
	632 550 8481	LABEL,IDENTIFICATION,LASE	1
		FDA.MECHA	
632	632 680 6333	LABEL,CAUTION,LASER	1
		FDA.TOP	
	632 550 8535	LABEL,IDENTIFICATION,CLAS	1
		FDA.TOP	
	632 707 3314	LABEL,PANEL	1
	632 711 5670	LABEL,RESET,PANEL2	1
<b>CHASSIS</b>			
43	632 699 2364	ASSY,CHASSIS	1
44	632 691 4311	INSULATOR,PCB	1
45	632 691 4328	CHASSIS,TOP	1
	411 028 5609	SCR S-TPG PAN 2.6X4	1
		CHASSIS, TOP	
46	632 283 4927	SPECIAL SCREW	1
87	632 691 9729	LEVER,LOCK-L	1
88	632 691 9835	LEVER,LOCK-R	1
89	632 691 9897	SPRING,TORS,LEVER-LOCK	2
	411 101 0705	RING E 2	2
47	632 691 4335	CASE,FAN	1
	411 028 5104	SCR S-TPG PAN 2.6X14,CAS	3
	411 008 8507	WASHER Z 2.6X7.5X0.5,CAS	3
48	632 691 4342	BRACKET-E,CORD	1
	411 028 6200	SCR S-TPG PAN 2.6X6	1
		BRACKET(CORD)	
	411 028 5609	SCR S-TPG PAN 2.6X4,MECH	4
49	632 691 4359	BRACKET-E,SOCKET	1
	411 028 5609	SCR S-TPG PAN 2.6X4	1
		BRACKET(SOCKET)	
	411 028 5609	SCR S-TPG PAN 2.6X4,PCB	1
50	632 501 4647	CUSHION,PCB	1
	411 028 5609	SCR S-TPG PAN 2.6X4,PCB	2
53	632 691 7893	HEAT SINK	1
	411 028 5906	SCR S-TPG PAN 2.6X5	3
		HEAT SINK	
	411 033 7001	SCR FLT 2.6X12	2
		HEAT SINK	
54	632 659 8627	CORD BUSHING,ANT	1
	412 034 7908	SPECIAL SCREW	1
55	632 701 1149	INSULATOR,TUNER - MECHA	1
	632 615 6223	SHEET,CORD	2
<b>CHASSIS ELECTRICAL</b>			
57	632 693 2872	TUNER,AM/FM,EST-2430	1
58	632 693 1981	FAN MOTOR,DC	1
	632 696 5979	ANTENNA CORD	1
	632 689 8741	MD-CHANGER,M92601, NO SERVICE PART	1
<b>MAIN P.C.B. ASSEMBLY</b>			
PCB1	632 694 1638	ASSY,PCB-W,MAIN	1

NOTES: 1. Part orders must contain Model Number, Part Number and Description.

2. Ordering quantity of screws and resistors must be multiple of 10 pcs.

3. Regular type resistor and capacitor are omitted. Check the schematic diagram for these values.

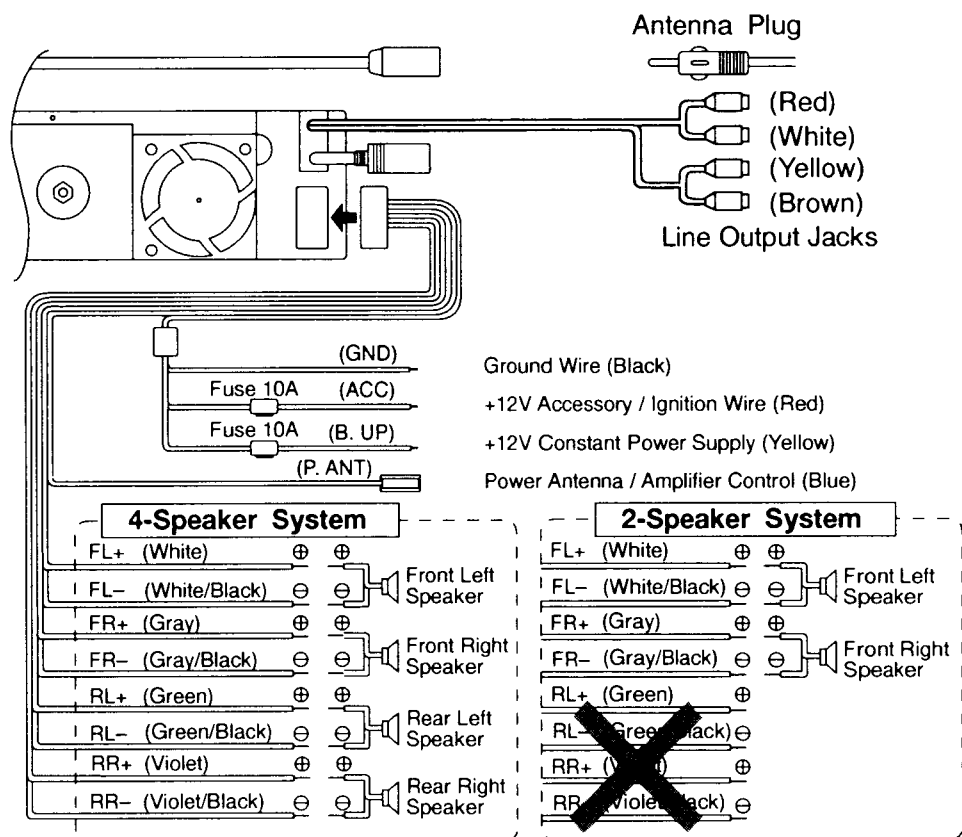
# PARTS LIST (CONTINUED)

Ref.No	PART No.	DESCRIPTION	Q'ty
SIC701	632 712 0223	OTP UPD78P014GC-002-AB8	1
SIC702	409 313 2105	IC S-80732AN-DW	1
SIC703	409 331 0008	IC LC7218JM	1
SIC704	410 161 9208	IC TDA7313D013TR	1
SQ701	405 035 5905	TR 2SC2411K-R	1
SQ703	405 035 5905	TR 2SC2411K-R	1
SQ701	405 128 9605	TR 2SC2411K-Q } or	1
SQ703	405 128 9605	TR 2SC2411K-Q	1
SQ702	405 000 3608	TR DTC114YK	1
SQ719	405 000 3608	TR DTC114YK	1
SQ704	405 029 3009	TR DTA114YK	1
SQ714	405 029 3009	TR DTA114YK	1
SQ705	405 015 8704	TR 2SC2812-L6	1
SQ710	405 015 8704	TR 2SC2812-L6	1
SQ711	405 015 8704	TR 2SC2812-L6	1
SQ706	405 048 2007	TR 2SD1802-T } or	1
SQ706	405 048 1901	TR 2SD1802-S	1
SQ707	405 083 6305	TR DTB113ZK	1
SQ708	405 083 6305	TR DTB113ZK	1
SQ709	405 029 3207	TR DTC114TK	1
SQ712	405 029 3207	TR DTC114TK	1
SQ713	405 029 3207	TR DTC114TK	1
SQ715	405 035 6506	TR 2SD1306N-E	1
SQ716	405 035 6506	TR 2SD1306N-E	1
SQ717	405 035 6506	TR 2SD1306N-E	1
SQ718	405 035 6506	TR 2SD1306N-E	1
SD701	407 070 9306	ZENER DIODE DZD10Y	1
SD702	407 004 0607	DIODE DCB010	1
SD703	407 004 0607	DIODE DCB010	1
SD705	407 004 0607	DIODE DCB010	1
SD706	407 004 0607	DIODE DCB010	1
SD707	407 069 4909	DIODE DSB010	1
SX701	632 697 6166	RESONATOR,XTAL8.388608MHZ	1
SX702	632 697 6173	RESONATOR,XTAL7.200MHZ	1
	632 693 3138	PLUG,10P,TU1,2,MD,AMP	4
	632 693 3114	PLUG,8P,AMP	1
	632 693 3107	PLUG,5P,TU1,MD,AMP	3
	632 693 3053	PLUG,4P	1
	632 693 3015	PLUG,3P	1
	632 693 7938	PLUG,15P,FPC	1
	632 693 7877	SOCKET,18P,MD	1
SC701	404 049 7806	ELECT 4.7U M 25V	1
SC702	404 049 7806	ELECT 4.7U M 25V	1
SC704	404 049 7806	ELECT 4.7U M 25V	1
SC708	404 049 7806	ELECT 4.7U M 25V	1
SC710	404 049 7806	ELECT 4.7U M 25V	1
SC711	404 049 7806	ELECT 4.7U M 25V	1
SC712	404 049 7806	ELECT 4.7U M 25V	1
SC713	404 049 7806	ELECT 4.7U M 25V	1
SC707	404 051 1205	ELECT 2.2U M 50V	1
SC709	404 051 1205	ELECT 2.2U M 50V	1
SC720	404 049 7707	ELECT 10U M 16V	1
SCT701	632 705 5303	TRIMMER	1
POWER P.C.B. ASSEMBLY			
PCB2	632 710 6265	ASSY,PCB-W,POWER	1
SIC205	409 191 3300	IC NJM78L05UA } or	1
SIC205	409 204 2702	IC AN78L05M	1
SIC202	409 067 2307	IC M5291FP	1
SIC204	409 331 4808	IC S-8438AF-ZB	1
SQ205	405 047 2008	TR 2SB1123-S } or	1
SQ205	405 047 2206	TR 2SB1123-T	1
SQ202	405 000 3608	TR DTC114YK	1
SQ207	405 000 3608	TR DTC114YK	1
SQ206	405 048 2007	TR 2SD1802-T } or	1
SQ206	405 048 1901	TR 2SD1802-S	1
SQ201	405 030 7003	TR 2SB1203-S } or	1
SQ204	405 030 7003	TR 2SB1203-S	1
SQ201	405 030 7102	TR 2SB1203-T	1
SQ204	405 030 7102	TR 2SB1203-T	1
SQ203	405 047 6402	TR 2SD1623-T	1
SQ208	405 047 6402	TR 2SD1623-T	1
SD203	407 071 8506	ZENER DIODE DZD8.2Y	1
SD201	407 071 8902	ZENER DIODE DZD9.1Y	1
SD204	407 071 8902	ZENER DIODE DZD9.1Y	1
SD202	407 146 3405	DIODE SC802-04	1
SD205	407 146 3405	DIODE SC802-04	1
SSVR216	632 678 0305	POTENTIOMETER,3.3K	1
SR220	408 021 5507	TH NTCCS20124CH104KCT	1
SIC201	409 259 2603	IC L7805CV	1
SL201	632 546 3704	CHOKE COIL, 680UH	1
SL203	632 546 3704	CHOKE COIL, 680UH	1
	632 253 9976	PLUG, 2P,FAN MOTOR	1
	632 693 8843	SOCKET,10P,MD-MAIN(SCS4)	1
	632 693 8836	SOCKET,5P,MD-MAIN(SCS5)	1
	632 691 4366	HEAT SINK	1
	411 026 1504	SCR S-TPG PAN 2.6X6,	1
		HEAT SINK	1

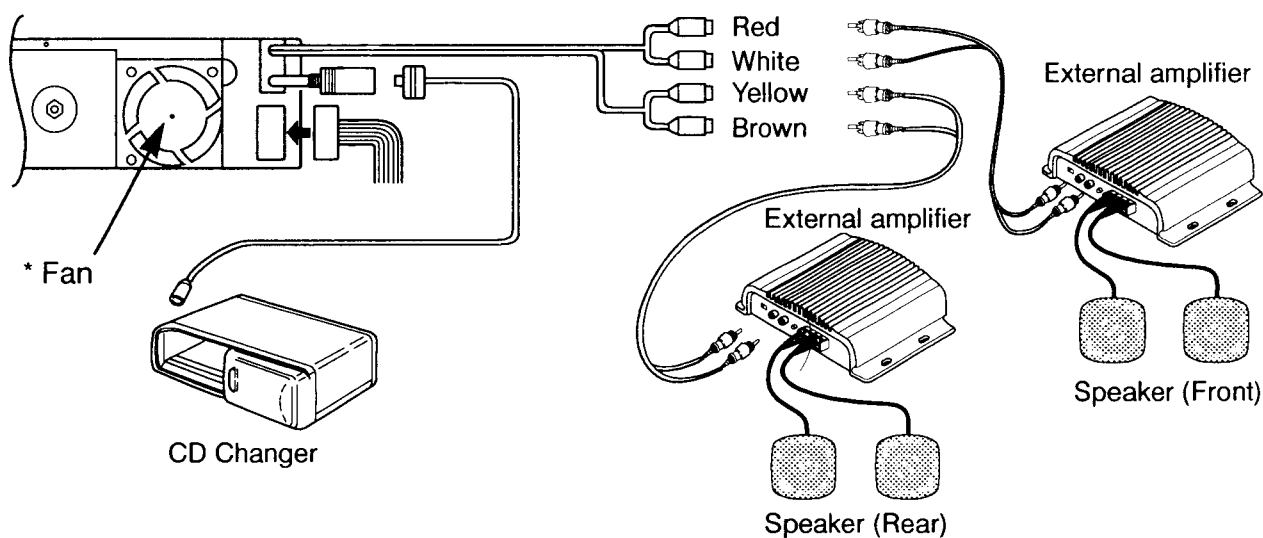
Ref.No	PART No.	DESCRIPTION	Q'ty
AMP P.C.B. ASSEMBLY			
PCB4	632 712 4399	ASSY,PCB-W,AMP	1
SIC1	409 316 4106	IC HA13151	1
SCP100	632 656 4721	SOCKET,16P	1
	632 696 5948	DIN CORD	1
	632 696 6006	CORD,300MM	1
	632 693 8843	SOCKET,10P,AMP-MAIN(SCS1)	1
	632 693 8850	SOCKET,8P,AMP-MAIN(SCS2)	1
	632 693 8836	SOCKET,5P,AMP-MAIN(SCS3)	1
SD10	407 098 0705	ZENER DIODE HZS6A3L	1
SZ10	408 018 8207	TH PTH61G33AR3R9M-T2	1
SIC2	409 262 4205	IC BA3121F	1
SIC3	409 198 8100	IC RC4565M-B	1
SIC4	409 198 8100	IC RC4565M-B	1
SQ10	405 079 7002	TR 2SD1664-R	1
SQ11	405 047 2206	TR 2SB1123-T } or	1
SQ11	405 047 2008	TR 2SB1123-S	1
SQ12	405 000 3608	TR DTC114YK	1
SD30	407 142 5403	ZENER DIODE HZK5BLL	1
	632 700 7272	BRACKET-E,IC	1
DISPLAY P.C.B. ASSEMBLY			
PCB5	632 710 5299	ASSY,PCB-W,DISPLAY	1
SS801-	632 702 4262	SWITCH,TACT	21
SS821			
SD815-	408 021 6801	LED AABG1201W-155-C-TR	22
SD836			
SD815-	408 021 6900	LED AABG1201W-155-D-TR } or	22
SD836			
SD815-	408 021 7006	LED AABG1201W-155-E-TR	22
SD836			
SD850	408 020 9605	SENSOR GP1U101X	1
SIC801	410 190 9101	IC UPD7228AG-12	1
LCD1	632 699 2517	LCD	1
SIC802	410 163 5109	IC UPD6124AGS-A51	1
SIC803	409 323 8906	IC TC4W53FU	1
SX801	632 694 7210	RESONATOR,CERAM,455KHZ	1
SD804	407 069 4909	DIODE DSB010	1
SD810	407 069 4909	DIODE DSB010	1
SD807	407 004 0607	DIODE DCB010	1
SD808	407 004 0607	DIODE DCB010	1
SD811	407 004 0607	DIODE DCB010	1
SD801	407 004 0102	DIODE DCA010	1
SD802	407 004 0102	DIODE DCA010	1
SD805	407 004 0102	DIODE DCA010	1
SD840	407 007 9904	DIODE GMA01	1
SQ801	405 000 3608	TR DTC114YK	1
SQ803	405 000 3608	TR DTC114YK	1
SQ802	405 029 3009	TR DTA114YK	1
SQ804	405 029 3009	TR DTA114YK	1
SPL801	632 517 1685	PILOT LAMP, 5V 115MA	1
SPL802	632 517 1685	PILOT LAMP, 5V 115MA	1
SPL803	632 516 6223	PILOT LAMP, 5V 115MA	1
SPL804	632 516 6223	PILOT LAMP, 5V 115MA	1
	632 693 7808	PLUG,15P	1
LCD2	632 691 4045	BRACKET-E,LCD	1
LCD3	632 691 4052	LUMINANT	1
LCD4	632 708 3955	SHEET,LCD	1
LCD5	632 691 4076	REFLECTOR,LCD	1
LCD6	632 691 4083	CONNECTOR,RUBBER	1
LCD7	632 706 5548	VEIL	1
SWITCH P.C.B. ASSEMBLY			
PCB6	632 694 1652	ASSY,PCB-W,SWITCH	1
SSW702	632 662 1844	SWITCH,MICRO	1
SSW701	632 668 1442	SWITCH,TACT	1
	632 700 8606	CORD,PRESSURE WELDING	1
JOINT P.C.B. ASSEMBLY			
PCB7	632 694 1362	ASSY,PCB-W,JOINT	1
	632 696 1445	FPC	1
	632 693 7792	SOCKET,15P	1
LED P.C.B. ASSEMBLY			
PCB8	632 694 1416	ASSY,PCB-W,LED	1
SD751	407 122 3108	LED BR1101W	1
SD752	407 122 3108	LED BR1101W	1
SD753	407 122 3108	LED BR1101W	1
	632 700 8897	CORD,PRESSURE WELDING	1
TRANSISTOR P.C.B. ASSEMBLY			
PCB9	632 713 2288	ASSY,PCB,TRANSISTOR	1
SQ750	405 029 3009	TR DTA114YK	1

NOTES: 1. Part orders must contain Model Number, Part Number and Description.  
2. Ordering quantity of screws and resistors must be multiple of 10 pcs.  
3. Regular type resistor and capacitor are omitted. Check the schematic diagram for these values.





The MDR-300 has a built-in CD Changer Controller and line output terminals. You can upgrade your vehicle system by adding of up to 2 compatible SANYO CD Changers and external amplifiers.



\* Be sure not to block the vent of fan.

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